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BULLETIN
of
A. & T. COLLEGE

Published by

**THE AGRICULTURAL
AND TECHNICAL COLLEGE
of NORTH CAROLINA**

Obedience to the Law is the Largest Liberty



Issued Quarterly
GREENSBORO, NORTH CAROLINA
CALENDAR 1931-1932

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MAY, 1931

No. 2

THIRTY-SIXTH.

ANNUAL CATALOG

of the

Agricultural

AND

Technical College

OF NORTH CAROLINA

(Co-Educational Institution)

RATED AN "A" GRADE COLLEGE

by

North Carolina Department of Education

New York Department of Education

American Medical Association

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Greensboro, N. C. 27411

1930-1931

with announcements for

1931-1932

GREENSBORO, NORTH CAROLINA

DUDLEY MEMORIAL BUILDING

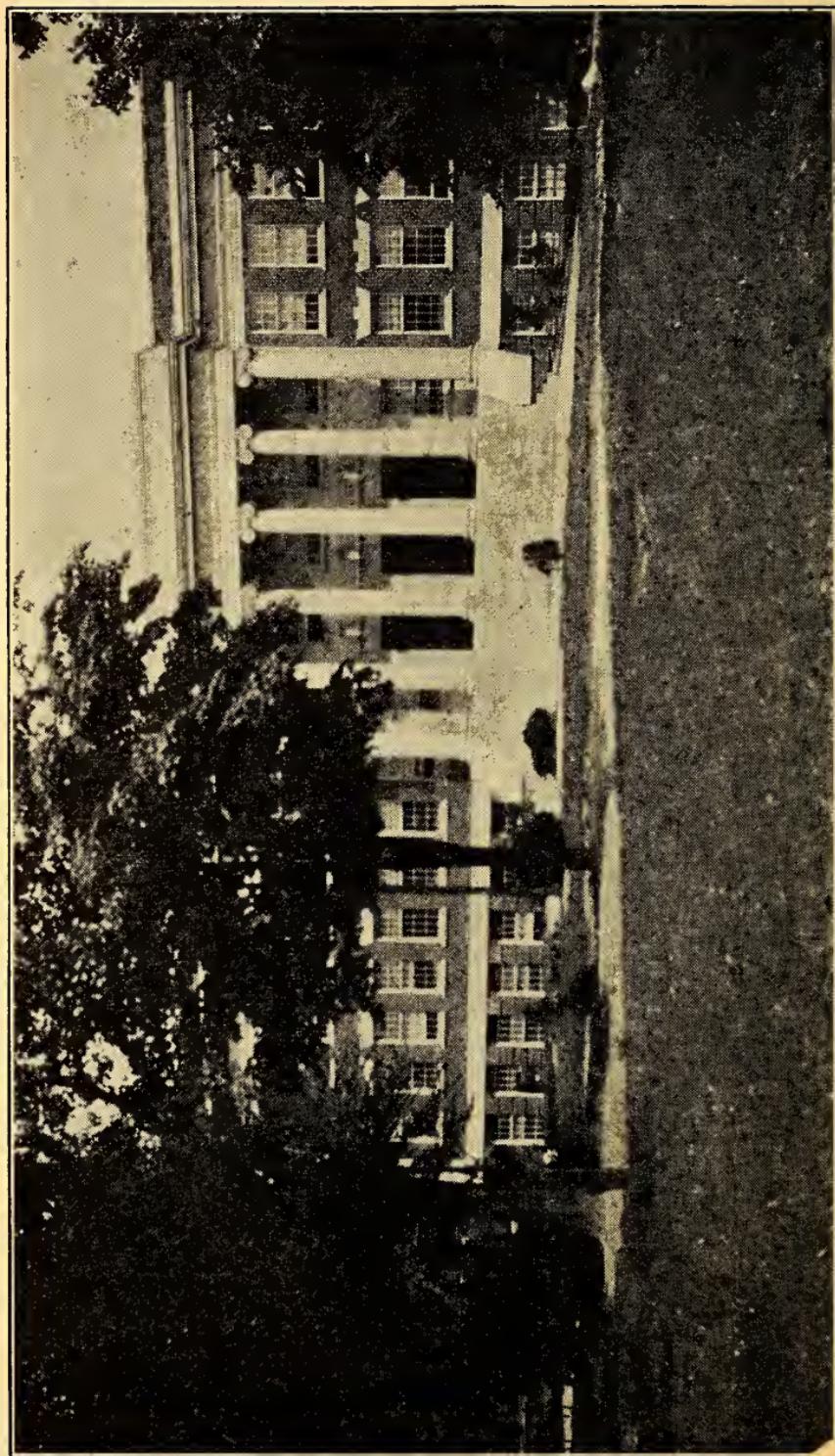


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ANNOUNCEMENTS

NOTE ANNOUNCEMENTS—IMPORTANT TO EVERY STUDENT

1. **VACCINATION.**—Each student is required to be vaccinated on entering unless evidence be presented to satisfy the college physician that vaccination is unnecessary.
2. **LODGING DEPOSITS.**—Because of limited accommodations students should secure rooms at once for September lodging, by paying one dollar for reservation of room.
3. **EXAMINATION.**—Entrance examinations and examinations for removal of conditions will be held September 11th and 12th. All students who have conditions to remove should avail themselves of this opportunity.
4. **BOARDING STUDENTS.**—All students who room on the campus must take meals in Murphy Hall.
5. **OUT-OF-THE-CITY STUDENTS.**—The college reserves the right to grant, or to refuse to grant, permission to any student whose parents do not live in the city of Greensboro (with or without consent of parents or guardians), to room off the campus.
6. **ENTRANCE FEES.**—Each student must pay in cash all entrance fees and expenses for the first month, when he registers.
7. **FEES: *Monthly and Quarterly.***—Any student whose bills are not paid or before the day following the date on which such bills are due, will be excluded from all college privileges until such bills are paid.
8. **CREDIT.**—Each regularly classified student will be required to register for 15 hours of work as a minimum. The maximum shall be 20 hours except as provided for by exceptional scholarship.
9. **GRADES.**—Any student whose attendance is irregular in a course or who illegally drops a course for which he registered, shall be assigned the grade of “F” at the end of the quarter.

10. **COMPLETE REGISTRATION.**—No credit will be granted for courses added to one's schedule after his registration has been completed.

11. **CUTS.**—No credit will be granted for any course, to any pupil whose absentees (including late registration) exceed one-sixth of the entire meetings assigned for the course per quarter.

12. **CUTS, NEAR HOLIDAYS.**—Every *cut* immediately preceding, or immediately following, any holiday shall be counted as *TWO CUTS*.

13. **LATE FEES.**—Each registrant will be required to pay 50c for each day that he is late after the last day assigned for registration.

14. **DISMISSAL.**—Any student who manifests unwillingness to conform to the rules and regulations that are prescribed, or, that may be prescribed to govern the student body, or, any student whose influence or deportment seems detrimental to the best interest of the school, will be asked to withdraw from the Institution.

15. To encourage scholarship and integrity, the college will publish an Honor Roll at the end of each quarter.

All students whose average grade in all courses and deportment is "A" shall be eligible for the Honor Roll.

SCHEDULE OF ENTRANCE AND REMOVAL OF CONDITION EXAMINATIONS

The college will conduct entrance examinations and also examinations for removal of conditions September 11, 12, 1931.

The hours for examination are 8:00 A. M. and 1:30 P. M. Students intending to take any of the examinations scheduled must appear at least an hour before the time of the examination, and report,

First to the office of the Registrar, for registration and instruction.

FRIDAY, 8:00 TO 10:00 A. M.:

HISTORY: Ancient, Medieval, Modern, American, Latin American, Civics, Dairying, Architecture.

FRIDAY, 10:00 TO 12:00 Noon:

ENGLISH: Composition and Rhetoric, Literature, English and American, Industries.

FRIDAY, 1:30 TO 3:30 P. M.:

MATHEMATICS: Algebra, College Algebra, Trigonometry, Calculus, Political Science, Agronomy, Horticulture.

SATURDAY, 8:00 TO 10:00 A. M.:

PHYSICS: All classes.

Sociology, General Psychology.

SATURDAY, 10:00 TO 12:00 Noon:

FRENCH: All classes.

GERMAN: All classes.

Latin, Caesar, Education, Poultry, Botany.

SATURDAY, 1:30 TO 3:30 P. M.:

CHEMISTRY: All classes.

ECONOMICS.

COMMERCIAL COURSES.

BIOLOGICAL SCIENCES.

1931

JANUARY							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	1	2	3	1	2	3	4	5	6	7	1	2	3	4	5	6	7
4	5	6	7	8	9	10	8	9	10	11	12	13	14	8	9	10	11	12	13	14
11	12	13	14	15	16	17	15	16	17	18	19	20	21	15	16	17	18	19	20	21
18	19	20	21	22	23	24	22	23	24	25	26	27	28	22	23	24	25	26	27	28
25	26	27	28	29	30	31	..	..	..	..	..	..	..	29	30	31	..	..	..	..
APRIL							MAY							JUNE						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	1	2	3	4	..	..	..	..	..	1	2	..	1	2	3	4	5	6
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27
26	27	28	29	30	..	..	24	25	26	27	28	29	30	28	29	30	..	..	..	..
JULY							AUGUST							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	1	2	3	4	..	..	..	..	..	..	1	..	1	2	3	4	5	6
5	6	7	8	9	10	11	2	3	4	5	6	7	8	6	7	8	9	10	11	12
12	13	14	15	16	17	18	9	10	11	12	13	14	15	13	14	15	16	17	18	19
19	20	21	22	23	24	25	16	17	18	19	20	21	22	20	21	22	23	24	25	26
26	27	28	29	30	31	..	23	24	25	26	27	28	29	27	28	29	30	..	..	..
OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	1	2	3	1	2	3	4	5	6	7	..	1	2	3	4	5	6
4	5	6	7	8	9	10	8	9	10	11	12	13	14	6	7	8	9	10	11	12
11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19
18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26
25	26	27	28	29	30	31	29	30	..	..	..	..	..	27	28	29	30	31	..	..

1932

COLLEGE CALENDAR

CALENDAR, 1931-1932

September 11-12—Entrance examinations and examinations for removal of conditions.

September 14—Registration of Freshmen and new students.

September 15—Registration former students.

September 16—Fall term begins.

December 21, 22, 23—Fall term examinations.

January 4—Registration winter term.

January 5—Winter term begins.

March 9, 10, 11—Winter term examinations.

March 14—Registration Spring Quarter.

March 15—Spring term begins.

May 26, 27, 28—Spring term examinations.

May 29—Baccalaureate sermon.

May 31—Commencement.

HOLIDAYS

Armistice Day; Thanksgiving Day; Christmas holidays, December 23, 1931—January 4, 1932; Easter Monday; July 4.

SPECIAL DAYS

Dudley Day—November 2, 1931.

Douglas' Birthday and Negro History Week, February 9-15—Special program by English department.

Arbor Day, March 15—Special program by School of Agriculture.

Morrill's Birthday, April 14—Agriculture and Mechanic Arts Societies have special programs.

Farmers' Conference, July 24-25.

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AGRICULTURAL AND TECHNICAL COLLEGE

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Hartshorn Memorial College

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ALLISON GORDON, B.S.

B.S., A. and T. College

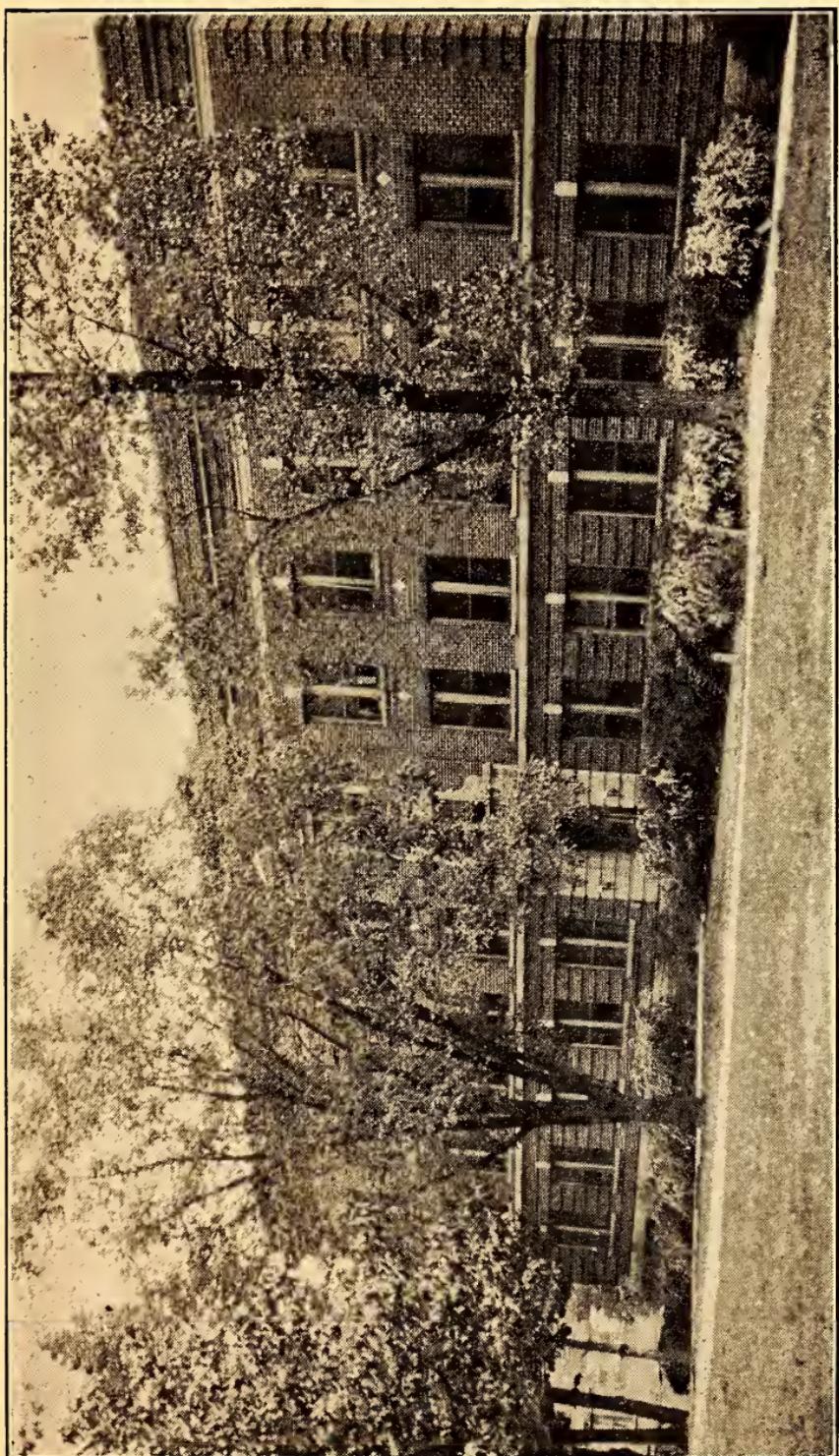
Secretary to Dean, School of Mechanics Arts

S. P. SEBASTIAN, M.D.

Leonard School of Medicine; Shaw University

College Physician

AGRICULTURAL AND SCIENCE BUILDING



HISTORY OF THE COLLEGE

This college was established by an act of the General Assembly of North Carolina, ratified March 9, 1891. The object of this institution is declared by the act to be for instruction in practical agriculture, the mechanic arts and such branches of learning as relate thereto not excluding academic and classical instruction.

The management and control of the college and the care and preservation of all its property are vested in a Board of Trustees, consisting of fifteen members, who are elected by the General Assembly, or appointed by the Governor, for a term of six years.

The Trustees, by the act of the Legislature, have power to prescribe rules for the operation of the college; to elect the president, instructors, and as many other officers and assistants as they shall deem necessary; and have general and entire supervision of the establishment and maintenance of the college.

The financial support of the college for the payment of salaries and purchase of apparatus and equipment is derived from the United States, under an Act of Congress, known as the "Morrill Act," passed August 20, 1890. This act makes an annual appropriation for each State and Territory for the endowment and support of colleges for the benefit of agriculture and mechanic arts to be applied "only to instruction in agriculture, the mechanic arts, the English language and the various branches of mathematics, physical, and natural, economic sciences, with special reference to their application in the industries of life and the facilities of their instruction."

The college also receives an appropriation from the State for general maintenance, which cannot be provided for under the laws governing the use of Federal appropriations.

The citizens of Greensboro donated fourteen acres of land and \$11,000 to be used in the construction of buildings. In 1893 this was supplemented by an appropriation of \$10,000 by the General Assembly. Dudley Hall was completed in 1893 and the school opened in the fall of that year.

THE COLLEGE BUILDINGS

The college buildings are heated with steam and lighted by electricity. All the buildings are kept in a sanitary condition and the healthfulness of the campus and surroundings is well known.

NEW DUDLEY HALL

On January 27, 1930 the original Dudley Hall was destroyed by fire. The erection of the New Dudley Hall was undertaken immediately thereafter. February 15, 1931, it was occupied. This is a fine fire-proof structure of three stories, larger and better built to meet the

needs of a modern college. It contains classrooms, assembly room, library, offices for the President, Dean of Science College, Treasurer, Registrar, Bursar, and other administration divisions.

LIBRARY

Our Library is housed in the New Dudley Administration Building. Already 15,000 bound volumes carefully selected to meet the varied needs and interests of modern college students, have been added.

Leading daily papers, periodicals and other publications in many fields of activity are regularly received.

The main reading room is large and well appointed. It is under personal direction of a specially trained librarian and is open daily to all students of the college.

NORTH DORMITORY

The North Dormitory is a three-story building which contain rooms for about 70 students.

SOUTH DORMITORY

The South Dormitory is a three-story, brick building, which contains rooms for 92 students, the basement of which is used for store rooms.

MORRISON HALL

Morrison Hall is a fire-proof, three-story building with basement. It contains rooms for 130 students.

THE AGRICULTURAL BUILDING

The Agricultural Building is fire-proof, three-story structure, with basement. It contains laboratories for botany, dairy products, zoology, geology, physics and chemistry and class rooms and offices for the Dean, School of Agriculture and the heads of divisions.

MECHANICAL BUILDING

The Mechanical Building is a two-story brick building, with basement. In the basement of this building are located the brick shop, wood turning shop and carpentry machine shop. On the first floor are the machine, the carpentry, the tailor and the shoe repair and leather work shops, while on the second floor are the Director's office, drawing rooms electrical engineering laboratory and seminar room.

AUTO MECHANICS BUILDING

Automobile Mechanics Building is a one story, fireproof structure. It is 120 feet long and 55 feet wide, and contains class room, a machine

shop, office, locker room, tool room, battery charging room, storage room for automobiles and auto mechanics shop.

MURPHY HALL

Murphy Hall is a one-story, fireproof building, which contains the dining room and the kitchen and refrigeration plant. The dining room contains seating capacity for 800 students. It is one of the most beautiful buildings of its kind to be found in the State.

FORGE SHOP

The forge shop is located in a separate brick building and is equipped with individual forges and forge shop machinery.

POWER PLANT

A new central heating and power plant has recently been installed containing boiler capacity of 600 horse power and affords the students of Mechanical Engineering the opportunity of practical experience in boiler room operation and management. Attached to the power plant is a modern steam laundry with latest equipment.

ADMISSION TO COLLEGE

Admission to Freshman class may be gained by:

- (a) Entrance Examination conducted by the College.
- (b) Examinations conducted by College Entrance Board, and
- (c) Through certificate from accredited schools.

Students who desire admission to the Freshman class by certification must show that they have completed fifteen units of high school work. At least ten units should be in the following subjects:

English	4 units
History	1 unit
Foreign Language or Vocational Work	2 units
Algebra	1 unit
Plane Geometry	1 unit
Science	1 unit

The remaining credits to make up the fifteen units may be offered from the following subjects: Foreign Languages, 2; Mathematics, 2; Science, 2; History, 1; Mechanical Drawing, 1; Agriculture, 2; Manual Training, 1.

(*Note:* Only 2 units of non-Academic work will be accepted in the 15 units of work.)

UNIT OF CREDIT

A unit of work in the above requirements is approximately a fourth of a year's work in a secondary school. It is assumed that a study is pursued for four or five periods a week; that the recitation periods are from forty to sixty minutes in length; and that the length of the school year is from eight to nine months. In the College the *unit of credit* is the term hour which stands for one recitation or two laboratory periods per week for twelve weeks. Each recitation period carries with it approximately two hours of preparation.

SPECIAL STUDENTS

In exceptional cases applicants, of mature years, or, of special training along particular lines, or of long experience in specific fields of knowledge, may be admitted to the college to study certain subjects, as special students, even though they cannot satisfy entrance requirements. Such students must do a passing grade of work in each course for which they may be permitted to register, or they will be asked to withdraw from said courses.

Credit gained by such students shall not be counted towards a degree.

UNCLASSIFIED STUDENTS

Any student who is permitted to register, either for less than the minimum amount of work required in the curriculum which he is pursuing, or, for courses that do not carry credit in the same curriculum, to the exclusion of subjects which do carry credit, shall be designated as an *unclassified student*.

ADMISSION REQUIREMENTS

Applicants for advanced standing will be passed upon by the Admission Officer.

All persons who desire to enter the college should make application to the Registrar before the opening of the quarter in which one wishes to enroll. Those who desire to be admitted by certificate should apply as soon as possible after graduation from high school. For all applicants the blank form found in the back of the catalogue is sufficient. Early attention to this matter will save the student much delay at the opening of the session.

Admission to the College must be secured in one of the following ways:

1. By certificate. Graduates from high schools in the State will receive entrance credits according to the standing of their respective schools, as shown by the official bulletin of the State Department of Education.

2. If the student is not a graduate of an accredited high school, he must comply with the requirements by examination. Entrance examinations will be held at the college on September 11th and 12th.

3. Every student, irrespective of the method by which he seeks admission, must present to the College, through the principal of his former school, a transcript covering his entire record of subjects and grades for four years, and second, a statement including principal's estimate of his character.

REGISTRATION AND CREDITS

All regular students will be required to register for 13 hours of prepared work per quarter, as a minimum. The maximum shall be 17 hours per quarter except as follows:

(a) Students whose general average is "C" shall be held to the above requirements, for the quarter following such a record.

(b) Students whose average is "B" with no grade below "C" may be permitted to register for not more than 18 hours of prepared work.

(c) Students whose average is "A" with no grade below "C" may be permitted to register for not more than 21 hours work for the quarter following such a record.

MARKING SYSTEM

Percentage	Grade	Grade Points
93-100	A (Excellent)	3
82-92	B (Good)	2
71-81	C (Fair)	1
60-70	D (Poor, but passing)	0
50-59	E (Condition)	0
Below 50	F (Failure)	0
Incomplete	I	
Withdrew, Passing	W. P.	
Withdrew, Failing	W. F.	

The student receiving a grade of "E" in a given course, will be given re-examination in the course. This will be given on the fourth Saturday following the first examination. Passing the examination he will be given a grade of "D".

The maximum points which a student can make under this system will be 588, the minimum 196. That is, in order to graduate, a student must make an average of "C".

ADDITIONAL COURSES

Students will not be permitted to add a course except on the approval of the Dean of the College in which he is taking his work, and in no case later than two weeks after the class work has begun.

GRADUATION REQUIREMENTS

Graduation from the A. and T. College involves the satisfaction of the following requirements:

1. The candidate for a degree must have selected a specific curriculum, having the approval of the Dean of the College in which he is registered. This curriculum must be completed.
2. Whether registered in the Agriculture, Arts and Science or Mechanic Arts he must complete 196 quarter hours and 196 grade points.*
3. He must complete a satisfactory thesis. A copy of the thesis must be filed with the Registrar on or before May 15th of the Senior Year.
4. It is the aim of the institution to send forth men and women who are fit representatives. To this end, the faculty reserves the right to refuse to admit any student to the Senior Class or to graduate any one who, though qualified by class record, may otherwise seem unfit.
5. The college reserves the right to require candidates for graduation to spend at least one summer on the grounds for practical work, unless they furnish satisfactory reports from responsible persons as to their efficiency.
6. Payment of Diploma fee of five dollars (\$5.00) must be made to the Bursar on or before May 1st preceding graduation.
7. Students in graduating class must clear all conditions by close of winter quarter.

DEGREES

Students graduating from the Agricultural Course shall be entitled to a degree of Bachelor of Science in Agriculture.

Students graduating from the Mechanical Course will be entitled to the degree of Bachelor of Science in Architecture, Mechanical Engineering, or Building and Construction. Students graduating from the Science College shall be entitled to the Bachelor of Science degree.

GENERAL INFORMATION

Students desiring assistance in defraying expenses, as far as possible, will be allowed to work, for which they can get credit each month at the time of their advance payment.

The pay allowed all students, except Seniors, shall be in settlement of their accounts or claim against the college.

The several industries operated in the school afford opportunity for needy but industrious students to help themselves. It is impossible to state definitely and in advance how much a student, and especially

* Effective with Freshman Class 1930.

a new one, can earn per month. This largely depends upon his individual application and energy. All can earn something each month, while the most industrious and energetic student will regularly earn his expenses.

ORGANIZATIONS

FRATERNITIES

The following fraternities have chapters at the college for college men: Alpha Phi Alpha; Omega Psi Phi; and Phi Beta Sigma.

THE COLLEGE LITERARY SOCIETY

The Kappa Phi Kappa Forensic and Literary Clubs, designed to stimulate interest in public speaking and literature, is composed of college students who have distinguished themselves in public performance in these fields. This club, assisted by the college students as a whole, who act as associate members, constitutes the center of the extra curriculum activities of the college, and is active in promoting the intellectual and cultural development of the institution.

In addition to the societies mentioned above there are four well organized clubs: The Dramatic Club, the Glee Club, the Athletic Club, the French Club, and the Social Science Club. These clubs afford the students a wonderful opportunity for development.

There are two technical societies, in which special topics in connection with agriculture, mechanics and chemistry are considered in a manner conducive to independent thought and research.

RELIGIOUS ACTIVITIES

It will be the purpose of the college to maintain a high moral tone and develop a broad, tolerant religious spirit among the students. In this connection there is a well organized Y. M. C. A. and Y. W. C. A., which meet twice a week for song and praise. A special service will be conducted in the chapel each Sunday by pastors representing the different denominations of the city. Sunday school is conducted every Sunday during the school year. All religious services will be free from sectarianism.

INDUSTRIAL MUSEUM

An industrial museum has been started and already valuable collections of work done by students are to be seen. We have collections representing the work in carpentry, blacksmithing and the various trades; also specimens from the Agricultural, English and Dairy departments. Such articles for exhibit are collected every month.

THE COLLEGE BAND

The College Band of more than fifty pieces occupies an important place in the life of the Institution. Instruction by an expert Bandmaster is given in all band instruments. A splendid opportunity is thus offered competent and worthy students to learn band music without extra expense to themselves.

Membership in the band is open to regular students of the College.

THE COLLEGE RADIO STATION

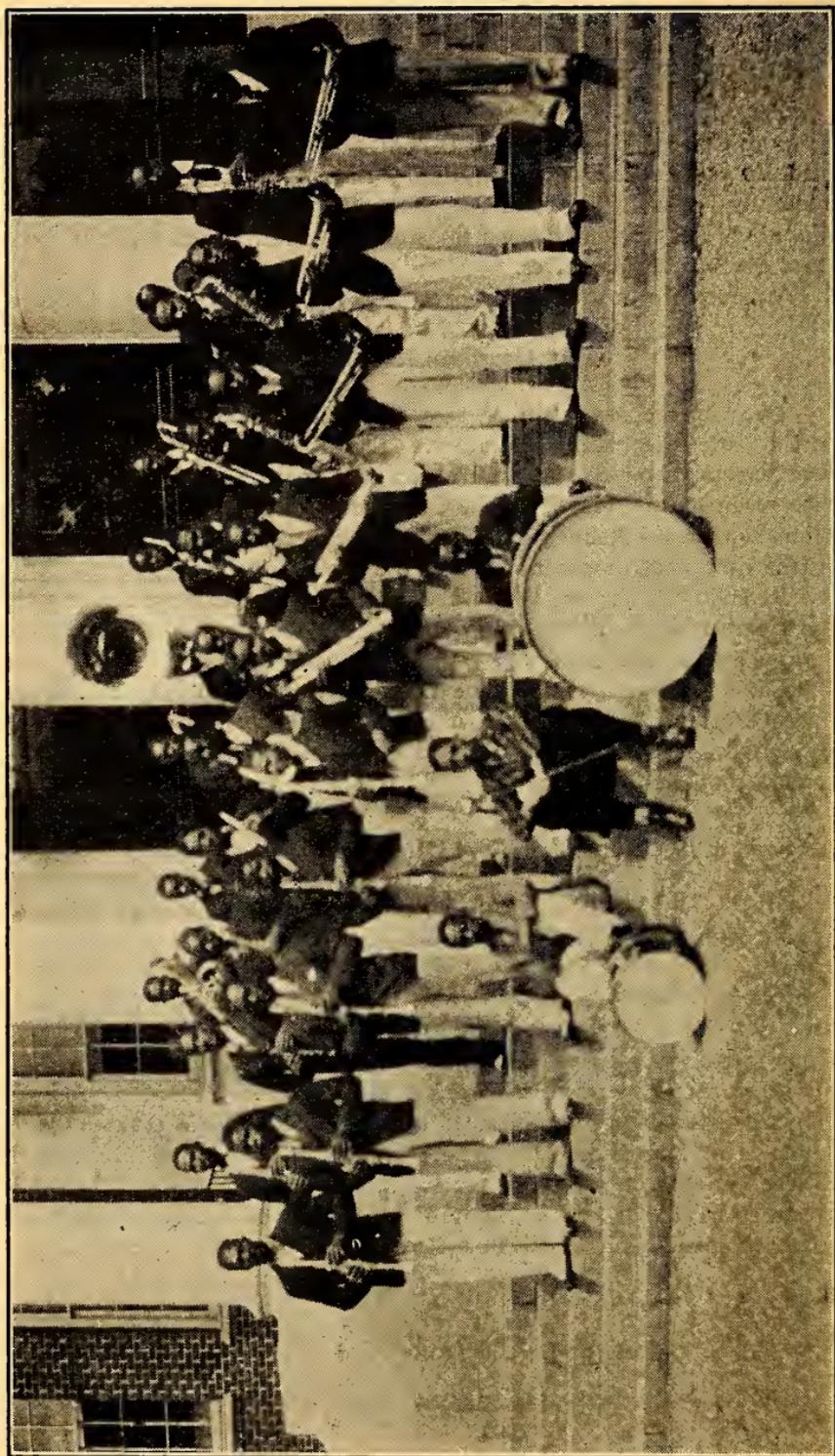
The College has established an Amateur Radio Station which is a part of the Electrical Laboratory. The Radio Department contains two detector-two-step short wave receivers, one Aero Screengrid four tube receiver, two Hartley high C transmitters with power supply and filters, a General Radio type 558 wavemeter, a television receiver, and all the necessary equipment needed to operate the above apparatus. The call letters of Station are W4JW. Students of the College are eligible for membership in the A. & T. Radio Club from which is chosen the staff of station operators.

The station is a member of the American Radio league and the Army Amateur Radio Relay System. It has exchanged messages with all parts of the United States and its insular possessions, and many foreign countries.

OPPORTUNITIES FOR NURSE TRAINING

The School of Nurses of the L. Richardson Memorial Hospital has established an affiliation with the A. and T. College, which makes it possible for young women who have completed their courses in nurse training to receive degrees from A. and T. College when they shall have met the College requirements for graduation. This should take from one to two years of additional study.

In recent years there has been a great increase in the number of hospitals established for Negroes, which brings about a corresponding demand for trained nurses. There is a great demand for nurses with college training to serve as superintendents of hospitals and in other executive positions. It is, therefore, hoped that a large number of young women will take advantage of the opportunities offered in this field.



THE COLLEGE BAND

THE FOLLOWING SCHOLARSHIPS AND PRIZES WILL BE AWARDED IN 1931-1932

COLLEGE SCHOLARSHIPS

The College will grant a scholarship for one year to any student who is on the Honor Roll for the three-quarters of the preceding school year. This scholarship will pay tuition and can be used for no other purpose.

SCHOLARSHIPS

The Odell Hardware Company scholarship of \$25.00 on board, lodging and tuition, will be allowed to the student completing the Sophomore year with the best record in scholarship and deportment.

Winner, 1930, Hattie E. Diffay.

The W. G. Pearson scholarship of \$25.00 on board, lodging and tuition, will be allowed to the student completing the Junior year with the best record.

The scholarships herein announced will be awarded to the winners on Commencement Day. They will be available January 1, 1932.

THE SEBASTIAN SCHOLARSHIP

Dr. S. P. Sebastian, of Greensboro, offers a scholarship of \$50.00 to the student completing three years in College Course at A. & T. College, with best record in deportment and scholarship.

This scholarship is to apply on school expenses at A. & T. College, and will be available September 16, 1932.

PRIZES

A prize of \$3.00, known as the Cone Cash Prize, will be given to the student who submits the most practical, original suggestion for the improvement of college affairs.

MEDALS

The John Merrick Medal will be awarded to the student completing the full mechanical course with the best four-year record in the college department.

Winner, 1930, Jodie S. Hargrove.

The M. F. Spaulding Medal will be awarded to the student completing the full four-year course in agriculture with the best record.

Winner, 1930, James R. Redding.

The Saslow's, Inc., Medal, will be awarded to the member of the graduating class who completes the four-year course in the science college with the best record.

Winner, 1930, Maceo E. Patterson.

The Simpkins Medal in Natural Sciences shall be awarded annually to the student who completes the first two years of work in this college with the best record. The medal shall be awarded under the following conditions:

- (a) To the student who makes the best record in Natural Sciences, no grade in which can be below "B".
- (b) The best record in General Inorganic Chemistry (not less than 10 hours).
- (c) The best record in other Natural Sciences (not less than 10 hours, 5 of which must be in some natural science other than Chemistry).

Winner, 1930, Oveta Brown.

THE KAPPA PHI KAPPA KEY

The Kappa Phi Kappa Key was first awarded in 1928 by the Kappa Phi Kappa debating society. Since that year the key has been offered in honor of the late Mrs. Ophelia Chandler of Asheville, by her son, Harold B. Chandler, B.S., '28.

The key is awarded to the member, or members, of the graduating class who have been speakers on the college debating team for two years.

Winners, 1930, Maceo E. Patterson and Jesse Lee Connor.

DEBATING TEAM, 1931

Affirmative

Phairlever Pearson, '34
W. W. Capehart, '33
Hattie E Diffay, '32, Alt.

Negative

Minne E. Johnson, '31
D. A. Williams, '33
Oveta Brown, '32, Alt.

SUMMER SCHOOL

In Point of Continuous Service the Oldest Summer School in the Country for Negroes

The thirty-fourth annual summer session of the A. and T. College Summer School will begin June 8, 1931, and continue for six weeks.

Aside from the splendid opportunity which the Summer School offers teachers in service to raise their certificates and thereby obtain better salaries, the college makes it possible for the ambitious teacher to obtain a standard degree by attending the summer school.

Students who are in college may shorten their stay in college by attending summer school. Students from other institutions may enter the summer session for credit in their respective institutions, by permission from either the President or Dean, of their respective colleges. Such students will not be required to present a complete record of their previous training, but, will be required to present a signed statement from the President or Dean indicating the summer courses for which credit will be allowed.

EVENING SCHOOL

The College conducts an Evening School for Teachers in service, and others who can qualify for the courses offered. All evening courses are the same as such courses that are offered in the regular day classes, and may be offered towards a degree. Admission to the Evening School is the same as for the same school in the regular day classes. The same amount of work is required and a similar grade of work is required for the same amount of credit.

EXPENSES

Parents and guardians are advised that all sums of money intended to defray expenses of students should be sent to the Bursar of the college. If this suggestion is followed, it will not be possible for a student to spend for other purposes money sent him to meet his school bills. School bills must be paid by cash, postoffice money order, or bank draft. Personal checks are not accepted.

Although it is the aim of the College to furnish as much employment as possible to assist students in defraying expenses, no promise nor guarantee can be made in advance to furnish such work.

Students who work during the day and attend school at night will be given an opportunity to earn twenty-two dollars a month. This will meet their current monthly expenses; but the first month must be paid in cash in the same way as day students.

No money paid on school bills will be returned except such as may be paid in advance of the current month, and no student will be

credited with fractional parts of monthly payments, except that students entering may make their initial payment to the first of next month.

Positively no students will be allowed to enter any department of the College without paying in cash the first month's expenses, as stated below.

EXPENSES AND FEES

Boarding students entering for the first time should be prepared to make the following payments:

Board, Lodging, Tuition and Maintenance	\$21.50
Laundry	1.00
Lecture Fee	2.50
Dining Hall Fee	1.00
Library Fee	3.00
*Registration Fee	3.00
Medical Fee	3.00
Athletic Fee	7.00
†Incidental Fee	2.50
Laboratory Fee (Maximum)	4.00
College Register Fee	<u>1.00</u>
Total	\$49.50

A student boarding and lodging in the city and who is not a legal resident of Greensboro will make the following entrance payments:

‡Tuition and Maintenance	\$ 8.00
Library Fee	3.00
Lecture Fee	2.50
*Registration Fee	3.00
Athletic Fee	7.00
†Incidental Fee	2.50
College Register Fee	1.00
Laboratory Fee (Maximum)	<u>4.00</u>
Total	\$31.00

Monthly Payments—Boarding Students

Boarding, Lodging, Tuition and Maintenance	\$21.50
Laundry	1.00
Total	<u>\$22.50</u>

Monthly Payments—Day Students

	Non-Residents of Greensboro	Legal Residents of Greensboro
Tuition and Maintenance	\$ 8.00	\$ 6.00

* Registration fee for former students \$1.00.

‡ Tuition and Maintenance for Legal Residents of Greensboro \$6.00.

† Incidental fee will be returned in full or proportional part to students at end of school year, provided breakage does not exceed full amount paid. This fee only provides for building and campus equipment, and does not cover special laboratory equipment.

TERM PAYMENTS

(Fees Payable at the Beginning of Each Term)

Biology Lab.	\$ 3.00
Bacteriology Lab.	3.00
Dairy Lab.	2.00
Botany Lab.	3.00
Chemistry Lab.	4.00
Physics Lab.	3.00
Zoology Lab.	3.00
Seeds Lab.	2.00
Soils Lab.	2.00
Horticulture Lab.	2.00
Drawing Fee	1.00
Commercial Course	4.00
Electrical Engineering	3.00
Electricity and Plumbing	2.00
Machine Shop Practice	3.00
Contracting and Building Fees:	
Masonry	4.00
Carpentry	3.00
Auto Mechanics	5.00
Blacksmithing	3.00
Carpentry	3.00
Masonry	4.00
Shoemaking	3.00
Tailoring	5.00

Other Fees

Registrar's Fee (for each extra transcript of a student's record)	\$ 1.00
Fine Per Day for Late Class Registration, each Quarter	.50
Music (two lessons per week and use of Piano for practice) per month	4.00

Note: All fees and bills are payable in advance. Make all postoffice money orders, bank drafts and Cashier's checks payable to A. and T. College. Personal checks are not accepted, unless certified.

SCHEDULE OF STUDENT PAY DAYS FOR 1931-1932

September 14th
October 9th
November 6th
December 2nd
January 4th—(Laboratory Fees for Winter Quarter Due)
February 1st
March 1st
April 1st—(Laboratory Fees for Spring Quarter Due)
May 2nd

LAUNDRY

The College operates a well-equipped steam laundry for the benefit of the students. Each boarding student is therefore required to have at least a dollar's worth of laundry done each month.

These charges are payable strictly in advance.

Students at the time of the advance payment will be given receipts, which will admit them to the class rooms, work shops and dining hall when properly signed.

In addition to the above expenses, the cost of textbooks must be considered. This will amount to about \$12.50 per year.

Board, lodging, medical fee, tuition and incidental fee must be paid before the rooms are assigned and tickets of admission to class rooms, work shop and dining hall are issued.

Parents should see to it that bills are paid on time, as students will not be permitted to attend their classes unless their bills are paid.

Each student should bring two quilts or blankets, one counterpane, four sheets, two pillow cases, six towels, four napkins, etc.

SCHOOL OF AGRICULTURE

M. F. Spaulding, *Dean*

The School of Agriculture aims to educate efficient farmers, teachers of agriculture, agricultural extension workers, teachers of Home Economics and leaders in other lines of agricultural activities. Courses are the various departments of technical agriculture.

The School of Agriculture is well equipped to train men and women in horticulture, dairy manufacturing, dairy production, poultry production, rural engineering, rural sociology, rural education, farm crops and soils, floriculture and animal production.

EQUIPMENT

The new Agricultural Building provides ample room for all agricultural class and laboratory activities. The third floor is occupied by the chemistry laboratories; two large rooms are equipped on the second floor for the botanical and zoological laboratories; the bacteriology is on the first floor, and the entire basement for laboratory work in soils, farm crops, geology, horticulture and dairy manufacturing, etc.

In addition to the laboratories and class rooms provided for in this building, there is also a museum, which is to contain hundreds of specimens of normal and diseased plants, insect pests, life histories, etc., found throughout the State of North Carolina and in many parts of the entire country.

CAMPUS

The campus, containing approximately twenty-eight acres, offers an opportunity for practice in landscape gardening, vegetable growing, etc. There are also two splendid greenhouses on the campus that make it possible to give instruction and practice in greenhouse management, a very popular and promising feature of our agricultural activities.

FARMS

The College has two farms. The old farm is located on State Highway No. 10, and also on the Southern Railroad from Greensboro to Goldsboro, about one mile from the campus, and contains one hundred and three acres. There are on this farm a modern poultry plant, modern piggery, modern dairy barn, an orchard containing over three hundred and fifty trees of several kinds of fruits, and about two hundred small fruits, which contain several varieties of raspberries, dewberries, grapes, etc., a thirty-two acre permanent pasture, implement sheds and barns. There is also a two-story brick dormitory for the dairyman, farm superintendent and farm project boys.

The new farm contains one hundred and forty-three acres and is located on the McConnell road about one mile south of the old farm. It has a very large shed on it for sheltering the farming implements.

These farms are well equipped with modern implements necessary for successful farming under North Carolina conditions. The farms are ideal in size because they give an opportunity for instruction and practice in handling small farms on an intensive basis, the type of farming that will inevitably be followed in this country.

SPECIAL WINTER SHORT COURSE

Several short courses are offered to meet the needs of young men on the farm who find it impossible to take one of the regular courses. They are offered during the winter term at a time when it is most convenient for the farmers to leave home for a few weeks. There are no entrance requirements for these courses.

DISTRICT FARMERS' MEETING

The annual farmers' meeting for the western district of North Carolina, including Guilford County, will be held on February 5, 1932. The purpose of this meeting is to help farmers make their spring plans. Prominent speakers will address the farmers and dinner will be served them on that day. This meeting is not to take the place of the annual Farmers' Conference in August.

FOUR-YEAR COLLEGE COURSE IN AGRICULTURE

This course leads to the B.S. degree in Agriculture. The entrance requirements are the same as given on page ...

It will be to the advantage of students desiring to take this course to be able to offer as many high school units in Agriculture and high school Chemistry as possible.

REQUIREMENTS FOR GRADUATION

The successful completion of one of the prescribed curricula comprising a minimum of 196 term credits and a thesis are required. In addition, the student must have a thorough, practical knowledge of farm activities and rural life conditions before receiving his degree. Students who have not had this experience before entering the course will be given an opportunity to get it during their college career.

THE AIM

This course aims to give the scientific, or technical training (based on a practical knowledge of farm activities) that will enable those completing it to hold positions of trust as owners and conductors of

farms, teachers of agriculture, extension workers, teachers of home economics and specialists. Aside from the instruction in technical agriculture the course gives a broad training in the sciences related to agriculture, the liberal and professional subjects.

THE AGRICULTURAL ASSOCIATION

All agricultural students are required to attend the bi-monthly meeting of the Agricultural Association. Absences from these meetings will be treated as absences from any other college appointments.

SEMINAR

All students registered in the College Senior Class will be required to attend the weekly seminar. Special work in any branch of agriculture on problems under investigation by the department, or of special interest to the student of agriculture will be considered. Each student will be required to present a paper, and write a thesis on some form of investigation.

CURRICULA

The curriculum in General Agriculture aims to give the student instruction in courses which will prepare him for intelligent, practical farming, for farm management, and extension service.

The curriculum for Teachers of Agriculture is designed to prepare the trainee to qualify under the provisions of the Smith-Hughes Law to occupy positions as teachers of vocational agriculture in the State of North Carolina and the south. Students who expect to teach vocational agriculture will be required to meet the professional requirements which shall be:

1. Educational Psychology	3 semester hours
2. Principles of High School Teaching	
or	
Problems in Secondary Education	3 semester hours
3. Materials and Methods (Two fields)	6 semester hours
4. Observation and Directed Teaching	3 semester hours
5. Electives	6 semester hours

The curricula for Agricultural Specialists are intended for students who have decided to prepare for work in some special field of agriculture. The school of agriculture is equipped to train men in the fields of Dairying, Greenhouse Management, Agronomy and Animal Husbandry.

CURRICULUM FOR TEACHERS OF AGRICULTURE

Freshman Year

	Fall	Winter	Spring
Comp. and Rhetoric, Eng. 211, 212	5(5-0)	5(5-0)	.....
Gen. Chem., Qual. Anal., Chem. 111, 112, 113	5(3-4)	5(3-4)	5(2-6)
Gen. Farm Poultry Problems, Poul. 111 . . . . .	.....	4(2-4)	.....
Soil Mgt., Agron. 111	3(2-2)	.....	.....
Principles of Farm Dairying, Dairying . . . . .	.....	.....	5(3-4)
Vegetable Growing, Hort. 111 . . . . .	.....	.....	4(2-4)
Agron. 112, Field and Forage Crops	3(2-2)	.....	.....
Gen. Bot., Advanced Bot., Bot. 111, 112	3(2-2)	3(2-2)	3(2-2)

Sophomore Year

Organic Chem., Chem. 112, 123	5(2-6)	5(2-6)	.....
Nature and Properties of Soils, Agron. 121 . . . . .	.....	4(3-2)	.....
Diseases of Farm Animals, Breeding and Judging, An. Nut., An. Hus. 121, 122, 123	3(2-2)	3(2-2)	3(2-2)
Home Grown Fruits, Farm Beautification, Hort. 121, 122	3(2-2)	.....	4(2-4)
Argumentation and Debating, Eng. 236 . . . . .	.....	.....	5(5-0)
Gen. Bact., Bact. 121 . . . . .	.....	5(3-4)	.....
Gen. Psychol., Ed. 221	4(4-0)	.....	.....
Plant Phy., Bot. 122 . . . . .	.....	.....	3(2-2)

Junior Year

Int. Econ., Agr. Econ., Bus. Law, Econ. 231, 271, B. A. 236	5(5-0)	3(3-0)	3(3-0)
Prob. Sec. Ed., Ed. 237, 238 . . . . .	.....	3(3-0)	3(3-0)
Gen. Prob. of Teaching, Ed. 242 . . . . .	.....	5(5-0)	.....
Farm Management, Econ. 273 . . . . .	.....	.....	3(3-0)
Incubation and Brooding, Poul. 131, 132 . . . . .	.....	3(1-4)	3(1-4)
Cotton, Tobacco, Agron. 131, 132	3(2-2)	.....	3(2-2)
Admin. and Sup., Ed. 234 . . . . .	.....	3(3-0)	.....
Electives: Must be in Agri. or related subject.	.....	.....	.....
Vocational Ed., Ed. 331	.....	.....	.....
Diseases, Insects and Pests, Biol. 131	.....	.....	.....
Rural Sociology, Soc. 243 . . . . .	.....	.....	3(3-0)

Senior Year

Materials and Methods of Teaching Voca- tional Agriculture, Ed. 271, 272, 273 .	3(3-0)	3(3-0)	1(1-0)
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Observation and Practice Teaching Vocational Agriculture, Ed. 274, 275, 276 2(0-4) 3(0-6) 1(0-2)
 Seminar without credit
 Electives (6 hrs. R. Eng. and Field of Agri.) 13 11 10
 Thesis

CURRICULUM IN GENERAL AGRICULTURE AND EXTENSION SERVICE

Freshman Year

	Fall	Winter	Spring
Comp. and Rhetoric 211, 212	5(5-0)	5(5-0)	.....
Gen. Chem., Qual., and Chem. 111, 112, 113	5(3-4)	5(3-4)	5(2-6)
Gen. Farm Poultry Problems, Poul. 111	4(2-4)	.....	.....
Soil Mgt., Agron. 111	3(2-2)	.....	.....
Principles of Farm Dairying, Dairying 111 . . . . .	.....	.....	5(3-4)
Vegetable Growing, Hort. 111 . . . . .	.....	.....	4(2-4)
Agron. 112	3(2-2)	.....	.....
Gen. Bot., Advanced Bot., Bot. 111, 112	3(2-2)	3(2-2)	3(2-2)

Sophomore Year

Organic Chem., Chem 112, 123	5(2-6)	5(2-6)	.....
Nature and Properties of Soils, Agron. 121	4(3-2)	.....	.....
Diseases of Farm Animals, Breeding and Judging, An. Nut., An. Hus. 121, 122, 123	3(2-2)	3(2-2)	3(2-2)
Home Grown Fruits, Farm Beautification, Hort. 121, 122	3(2-2)	.....	4(2-4)
Argumentation and Debating, Eng. 213 . . . . .	.....	.....	5(5-0)
Gen. Bact., Bact. 121	5(3-4)	.....	.....
Gen. Psychol., Ed. 221	4(4-0)	.....	.....
Plant Phys., Bot. 122 . . . . .	.....	.....	3(2-2)

Junior Year

Rural Sociology, Sociology 243 . . . . .	.....	3(3-0)
Agricultural Econ., Business Law, Econ. 231, 271, 239	5(5-0)	3(3-0) 3(3-0)
Farm Marketing, Farm Mgt., Econ. 263, 273	5(5-0)	3(3-0)
Incubation, Brooding, Poultry 131, 132	3(1-4)	3(1-4)
Tobacco, Cotton, Agronomy 131, 132	4(2-4)	..... 4(2-4)
Diseases, Insects, Pests, Biology 131 . . . . .	.....	3(2-2)
Electives	7	9 0

Senior Year

*Extension Service, Observation and Practice in Extension Service, Ed. 278, 279	5(5-0)	5(0-10)	.....
Community Organization, Sociology 244	.....	4(4-0)	.....
Herd Management, Dairying 143	.....	.....	4(2-4)
Seminar (without credit)	(1-0)	(1-0)	(1-0)
Thesis without credit	.....	.....	.....
Electives	4	3	8
	—	—	—
	11	14	14

CURRICULUM FOR AGRICULTURAL SPECIALISTS

Freshman Year

	Fall	Winter	Spring
Comp. and Rhetoric, Argumentation and Debating, Eng. 211, 212, 213	5(5-0)	5(5-0)	5(5-0)
General Chem., Qual. Analysis, Chem. 111a, 112a, 113	5(3-4)	5(3-4)	3(1-4)
General Botany, Botany 111	4(3-2)	.....	.....
Soils Mgt., Field and Forage Crops, Agronomy 111, 112	3(2-2)	4(3-2)	.....
Principles of Farm Dairying, Dairying 111	.....	.....	5(3-4)
General Farm Poultry Problems, Poultry 111	.....	3(2-2)	.....
Swine, Horse and Mule Production, Animal Hus. 111	3(2-2)	.....	.....
Vegetable Growing, Horticulture 111	.....	.....	4(2-4)
Orientation, Occupational Guidance, Ed. 211, 212	1(1-0)	1(1-0)	.....

Sophomore Year

Organic Chemistry, Agricultural Chem., Chem. 122, 123	3(2-3)	3(2-3)	.....
Nature and Properties of Soils, Agronomy 121	.....	4(3-2)	.....
Diseases of Farm Animals, Breeding and Judging, Animal Nutrition, Animal Husbandry 121, 122, 123	3(2-2)	3(2-2)	3(2-2)
Home Grown Fruits, Farm Beautification, Hort. 121, 122	.....	3(2-2)	4(2-4)

* Students interested in general agriculture may select other courses.

Farm Machinery, Farm Shop, Road Building and Drainage, Rural Engineering			
121, 122, 123	3(2-2)	3(0-6)	4(2-4)
Journalism, English 231	3(3-0)	.....	.....
General Psychology, Ed. 221	4(4-0)	.....	.....
Plant Physiology, Botany 122, or Comparative Anatomy, Biology 122 . . . . .	.....	.....	3(2-2)
General Bacteriology, Bact. 121	4(2-4)	.....	.....
General Zoology, Biology 121 . . . . .	.....	.....	4(3-2)

Junior Year

Rural Sociology, Sociology 243 . . . . .	.....	.....	3(3-0)
Introductory, Agricultural Econ., Bus. Law, Econ. 231, 271, 239	5(5-0)	3(3-0)	3(3-0)
Farm Marketing, Economics 263 . . . . .	.....	5(5-0)	.....
Agricultural Major	6	6	6
Electives	9	6	7
	—	—	—
	20	20	19

Senior Year

Agricultural Major	6	6	6
Seminar (without credit) . . . . .	.....	.....	.....
Thesis	1	1	1
Electives	3	6	6
	—	—	—
	11	14	14

TWO-YEAR COURSE IN AGRICULTURE

This course is designed for farmers and prospective farmers who cannot leave their work for a long period, but who are desirous of improving their condition by learning how to produce and how to market. Students may enter this course at the beginning of any term.

Students taking the two-year course will be encouraged to select some phase of agriculture to which they are to give special study during the entire course. This work may be in Dairying, Field Crops, Horticulture, Poultry Production, and Swine Production. Projects in any of these phases of work must be of a nature approximating that of a real farming enterprise.

Note:—Credits: Listed under terms, the figure to the extreme left indicates the term credits. The left-hand figure within parentheses indicates the number of recitations per week; the right-hand figure indicates hours of laboratory per week.

OUTLINE OF COURSES

First Year

	Fall	Winter	Spring
Comp. and Rhetoric, Eng. 211, 212	5(5-0)	5(5-0)	.....
Soil Mgt., Field and Forage Crops Agro- nomy 111, 112	3(2-2)	4(3-2)	.....
Swine, Horse and Mule Prod., An. Hus. 111	3(2-2)	.....	.....
Principles of Farm Dairying, Dairying 111	.....	.....	5(3-4)
Gen. Farm Poultry Problems, Poultry 111	.....	3(2-2)	.....
Vegetable Growing, Hort. 111 . . . . .	.....	.....	4(2-4)
Home Grown Fruits, Farm Beautification, Hort. 121, 122 . . . . .	.....	3(2-2)	4(2-4)
Agricultural Electives	4	.....	4.....

Second Year

Nature and Properties of Soils, Agronomy 121 . . . . .	.....	4(3-2)	.....
Diseases of Farm Animals, Breeding and Judging, Animal Nutrition, An. Hus. 121, 122, 123	3(2-2)	3(2-2)	3(2-2)
Farm Marketing, Farm Mgt., Economics 263, 273 . . . . .	.....	5(5-0)	3(3-0)
Farm Machinery, Farm Shop, Road Build- ing, Rural Engineering 121, 122, 123	3(2-2)	3(2-2)	3(2-2)
Tobacco, Cotton, Agronomy 131, 132	4(2-4)	.....	4(2-4)
Agricultural Electives	4	.....	3.....

Description of courses will be found under the various heads as described in the regular course of instruction.

WINTER COURSE

The winter courses are business and occupational courses, not academic, hence there are no examinations for admission. However, in order that the student may be able to make the best use of the instruction it is necessary that he should have had a good common school education.

The only requirements are that they meet those of general admission. However, they are advised to review their mathematics and English, as quite often they are handicapped because of deficiency in same.

The courses are open to both men and women above the age of 16. Students are advised to come two years instead of attending only one session. They are advised to enter one of the various practical divisions so as to see the advantage of farm machinery and modern equipment in connection with the various farming operations.

Students who show a desire for special training will be given special courses in the following:

Soils and Fertilizers; Field Crops; Dairying; Poultry Production; Swine; Horticulture.

REGISTRATION

On Wednesday, January 4, beginning at 9 o'clock, all students should report for registration at the office of the Registrar of the College.

METHODS OF INSTRUCTION

Instruction in the winter courses is given by lectures, by such practical work (laboratory practice) in the various agricultural operations as can be conducted at that time of the year, and sometimes by trips or excursions to points of special interest.

DEPARTMENT OF HOME ECONOMICS

The course as outlined below is arranged to meet the needs of the following groups of students: Those who wish to teach, those who wish to enter graduate courses leading to technical or professional work, and those who wish to apply their knowledge to various problems of home life, or in fields of industry and social service in which an understanding of home economics subjects is essential to intelligent action.

That training given is as varied as it is broad. It includes a knowledge of the laws of health; an understanding of the sanitary requirements of the home; the study of values, both absolute and relative, of the various articles used in the home; the wise expenditure of money, time, and energy; the scientific principles underlying the selection and preparation of food; the right care of children; and the ability to secure efficient service from others.

A four-year college course in home economics will lead to a B.S. degree in Home Economics.

SUGGESTED MAJOR IN HOME ECONOMICS

	<i>Freshman Year</i>	Fall	Winter	Spring
English Composition, Eng. 211, 212		5(5-0)	5(5-0)	.....
General Chemistry, Chem. 111, 112		5(3-4)	5(3-4)	.....
Qualitative Analysis, Chem. 113	5(3-4)
Applied Art I, Art 211		3(0-6)	.....	.....
Costume Design, Art 212	3(0-6)	.....
House Furnishings, Art 213	2(2-2)
Clothing I, Clothing 211		3(0-6)	.....	.....
Clothing II, Clothing 212	3(0-6)	.....

Physical Education 211, 212, 213	1(2-0)	1(2-0)	1(2-0)
Music 211, 212, 213	1(2-0)	1(2-0)	1(2-0)
Home Economics Problems, H. E. 211	1(1-0)	.....	.....
Hygiene and Home Nursing, H. E. 212 . . . . .	.....	.....	3(2-2)
Household Physics, Physics 211 . . . . .	.....	.....	4(3-2)

Sophomore Year

Survey of English Literature, Eng. 222, 223	5(5-0)	5(5-0)	.....
Organic Chemistry, Chem. 122, 123	5(3-4)	5(3-4)	.....
Foods I, Foods 221	5(2-6)	.....	.....
Foods, II, Foods 223 . . . . .	.....	.....	5(2-6)
General Psychology, Edu. 221, 222 . . . . .	.....	4(4-0)	4(4-0)
Zoology, Biol. 111 . . . . .	.....	4(3-2)	.....
Embriology and Physiology, Biology 121 . . . . .	.....	.....	4(3-2)
Textiles, Clothing 223 . . . . .	.....	.....	3(2-2)
Household Management, H. E. 223 . . . . .	.....	.....	3(2-2)
Physical Education, 221, 222, 223	1(2-0)	1(2-0)	1(2-0)
Music 221, 222, 223	1(2-0)	1(2-0)	1(2-0)

Junior Year

French 211, 212, 213	5(5-0)	5(5-0)	5(5-0)
Human Nutrition, Foods 231	5(5-0)	.....	.....
Applied Art II, Art 231	3(0-6)	.....	.....
Costume Design II, Art 232 . . . . .	.....	3(0-6)	.....
Education 231	3(3-0)	.....	5(5-0)
Economics 231 . . . . .	.....	5(5-0)	.....
U. S. History, Hist. 221 . . . . .	.....	.....	5(5-0)
Economics of the Household, H. E. 233 . . . . .	.....	.....	3(3-0)
Clothing III, Clothing 232 . . . . .	.....	3(0-6)	.....
Bacteriology, Biology 131 . . . . .	.....	4(3-2)	.....

Senior Year

Dietetics, Foods 241	5(2-6)	.....	.....
Dinner Work, Foods 242 . . . . .	.....	3(0-6)	.....
Child Welfare, H. E. 242 . . . . .	.....	3(2-?)	.....
Modern Family, H. E. 243 . . . . .	.....	.....	3(3-0)
Sociology . . . . .	.....	5(5-0)	.....
Clothing IV, Cloth. 243 . . . . .	.....	.....	3(0-6)
Interior Decoration, Art 242 . . . . .	.....	3(0-6)	.....
Spec. Meth. of Teach. Home Economics, Edu. 252	5(5-0)	.....	.....
Supervised Household Management, H. E. 241	3(2-?)	.....	.....
Federal Government, Pol. Sci. 231	5(5-0)	.....	.....
Supervised Practice Teaching . . . . .	.....	5(2-?)	.....
Electives . . . . .	.....	.....	12(?)

SCHOOL OF MECHANIC ARTS

G. L. WASHINGTON, *Dean*

ORGANIZATION

The School of Mechanic Arts of the North Carolina Agricultural and Technical College is organized to prepare students for, and to meet the increasing demand of industry for leaders and skilled workmen in the various technical professions and trades. The College offers four-year courses in Architecture, Engineering, and Contracting and Building, leading to the degree of Bachelor of Science. In addition, it offers a special course for Industrial Arts teachers. Special courses are also offered in Physics and Mathematics and Art Education.

Mechanical Engineering, Architecture, and Contracting and Building are the major courses of the college. Two definite objectives in the engineering courses besides adequately grounding the student in mathematics, science and engineering fundamentals, are to develop a greater social insight and a larger sense of social responsibility in order that the profession may gain recognition for more than its technical proficiency; and to emphasize in the curriculum those elements which make for a sound, general education and a comprehensive knowledge of business and business principles. Our faculty, engineering laboratories and pure science equipment enable us to offer four-year college courses in the above professions.

For the students not qualified to pursue college work in engineering, architecture and building, we offer the Smith-Hughes Trade School course, which is designed to prepare the student in two to three years to enter the skilled trades.

OUTLINE OF COURSES

School of Mechanic Arts

- Mechanical Engineering.
- Architecture.
- Contracting and Building.
- Special Courses.
- Theoretical and Applied Physics.

Smith-Hughes Trade School

- Two-Year Courses in Trade.

DIVISIONS OF SCHOOL OF MECHANIC ARTS

College

- Department of Mechanical Engineering.
- Department of Architecture.
- Department of Building Construction.

Department of Physics.
Department of Mathematics.
Department of Art.

Mechanic Arts Division

Automobile Mechanics.
Shoemaking and Leather Work.
Carpentry and Building Construction.
Machine Tool Practice.
Tailoring.
Brick and Concrete Masonry.
Forge Shop Practice.
House Wiring.
Mechanical Drawing.

BUILDINGS

The School of Mechanic Arts is located in five buildings. The Mechanical Building is a two-story brick building with basement. On the top floor of this building are located the offices of the Dean and professors, drawing rooms, seminar room, and electrical laboratory. Located upon the first floor are the shoemaking and leather, carpentry, machine tool, and tailor shops. In the basement of this building are located the brick and concrete masonry.

The Automobile Mechanics Building is a fireproof, one story building recently built and equipped for advance automobile mechanics practice. It is located on the main highway and is open for service in connection with instruction. It contains lecture room, class room, office, battery charging room, locker room, tool room, auto mechanics laboratory, and storage room for automobiles.

The Forge Shop is a one story brick building containing individual forges and forge and blacksmith shop machinery.

The College Physics Laboratories are located on the third floor of the Agricultural Building; also the Physics Department office is located on the same floor of this building. The Sand and Cement Testing Materials Laboratory is temporarily located in the basement of the Agricultural Building.

A central heating plant of 600 horsepower boilers has been built and equipped with modern heating and power appliances; this plant furnishes the students of the Technical College, engaged in the study of power plant equipment and operation, an opportunity to study the operation of the most modern steam and power plant. This plant is housed in a new brick building attached to which is the college steam laundry.

EQUIPMENT

MECHANIC ARTS DIVISION

In the past few years the State of North Carolina has invested many thousands of dollars in equipment for the Mechanic Arts Divisions. Each division has among its equipment the latest design of modern machinery and tools for each particular line of work. The shops and industries so equipped are the automobile mechanics, shoe and leather work, carpentry and building, machine tool, tailor, brick and concrete, forge, plumbing and house wiring, and laundry management.

DRAWING ROOM

Our Drawing Department is one of the best to be found anywhere in the State. It has been enlarged, redesigned and equipped with the latest design in equipment. It has a capacity for 60 students working at one time. College students must secure their own drafting instruments.

ART STUDIO

Classes in freehand drawing and water color painting are taught in our Art studio. There is equipment for the accommodation of classes of twenty students.

PHYSICS

The College Physics Laboratories were designed along with the building in which they are located, and every feature is modern. The splendid equipment of these laboratories enables us to perform the representative, standard experiments included in the courses of study in physics for two years of college physics. The department is equipped with photographic equipment and equipment for technical electrical measurements for advanced study in applied physics.

SURVEYING

The equipment for surveying consists of transit, level, and stadia along with the minor equipment necessary for field work in this branch of science. Also included are instruments for drawing room work in surveying.

ELECTRICAL ENGINEERING LABORATORY

The Electrical Laboratory contains a $6\frac{1}{2}$ KVA, 3-, 6-, and 12-phase Westinghouse A.C. synchronous motor, a 5 H.P. Westinghouse D.C. motor, two $\frac{1}{4}$ H.P. single-phase induction motors, a 1 KVA A.C. motor, a $1\frac{1}{4}$ H.P. D.C. motor, a 5 KVA 3-, 6-, and 12-phase generator, a $6\frac{1}{2}$ KVA D. C. generator, a 1 H.P. Hobart D.C. generator, a 3 H.P.

single-phase motor, a 2 H.P. 3-phase induction motor, a 1 KVA A.C. generator, a 5 KVA motor-generator Westinghouse set for converting from A.C. to D.C. or from D.C. to A.C., and a 1 KVA Hobart Battery Charging Unit. All of this apparatus is installed and equipped with meters, brakes, and loading devices for testing. In addition the laboratory contains D.C. and A.C. watt hour-meters, potentiometer and meter for measuring currents and voltages.

CEMENT AND SAND TESTING MATERIALS LABORATORY

The Cement and Sand Testing Materials Laboratory of the Mechanical Engineering Department is equipped to perform tests on sand and cement according to tests made standard by the American Society for Testing Materials. The sieves and machine for making sieve or mechanical analysis of sand and cement are of latest Tyler design. Tensile and compression machines, moulds, etc.. are Riehle design.

POWER PLANT

The Power Plant is under and a part of the School of Mechanic Arts; its equipment is used for instructional purposes. The plant contains four boilers, making a total of 600 rated horsepower, boiler feed pumps, vacuum pumps, feed water heater, etc., all of which is modern, being only recently installed.

REFRIGERATION

An Ottenheimer ammonia refrigerator system has been installed at the college, giving the students of mechanical engineering an opportunity to study operation of mechanical refrigeration as an augment to the work in thermodynamics.

ADMISSION TO THE TECHNICAL COLLEGE

The admission requirements are the same as those given for the entrance to freshman college class.

ADVANCED STANDING .

Students who have attended colleges of approved standing will be given appropriate credit for work completed there, upon the presentation of the proper certificate to the Registrar, who will determine the credits for the curriculum which the student wishes to take.

REQUIREMENTS FOR GRADUATION

The requirements for graduation in architecture, engineering or building construction are the satisfactory completion of all courses in one of the prescribed curricula (see tabulation of curricula on pages following).

The student must also own and possess certain books and instruments. This is not an additional expense, as the necessary equipment will be accumulated during his years in college.

SPECIAL STUDENTS

Special students are admitted by the Dean of this College who will see to the arrangement of their courses. Special students are understood to be applicants who desire to undertake special study without becoming candidates for degrees. They must evidence a sincere purpose to undertake and profit by the special study and must be of mature age. They must also give good reason for not entering regularly and for not undertaking one of the regular curricula.

CURRICULUM IN ARCHITECTURE

	<i>Freshman Year</i>	<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Algebra, Trig., Analytical Geom., Math. 311, 312, 313	5(5-0)	5(5-0)	5(5-0)	
Eng. 211, 212		5(5-0)	5(5-0)	
Elements of Arch., Arch. 311, 312, 313 . . .	3(0-6)	3(0-6)	3(0-6)	
General Physics, Phys. 311, 312, 313 . . .	5(4-2)	5(4-2)	5(4-2)	
Descriptive Geometry, M. E. 314	3(1-4)			
Stereotomy, Arch. 314		3(1-4)		
Shades and Shadows, Arch. 315			3(0-6)	
Freehand Drawing, Art 311, 312	3(0-6)	3(0-6)		
Water Color, Art 313				3(0-6)
Freshman Lectures, Ed. 211, 212, 213 . . .	1(1-0)	1(1-0)	1(1-0)	
Military Science, M. S. 211, 212, 213 . . .	1(0-2)	1(0-2)	1(0-2)	

Sophomore Year

Calculus, Math. 321, 322, 323	3(3-0)	3(3-0)	3(3-0)
Eng. 236 (or 233), 241	5(5-0)	5(5-0)	
Hist. of Architecture, Art 324, 325, 326 . . .	5(5-0)	5(5-0)	5(5-0)
Design, Arch. 321, 322, 323	5(1-8)	5(1-8)	5(1-8)
Surveying, Math. 324	4(2-4)		
Perspective, Arch. 324			3(0-6)
Art Appreciation, Art 327, 328, 329	1(1-0)	1(1-0)	1(1-0)
Military Science, M. S. 221, 222, 223	1(0-2)	1(0-2)	1(0-2)

Junior Year

Mechanics, M. E. 331	5(5-0)		
Strength of Materials, M. E. 332		5(5-0)	
Structures, Arch. 334			5(3-4)
Design, Arch. 331, 332, 333	5(0-10)	5(0-10)	6(0-10)

History of Ornament, Art 331	1(1-0)	.....	.....
Water Color, Art 332 . . . . .	.....	3(0-6)	.....
Freehand Drawing, Art 333 . . . . .	.....	.....	3(0-6)
Carpentry, Arch. 335	3(3-0)	.....	.....
Masonry, Arch. 336 . . . . .	.....	3(3-0)	.....
Working Drawings, Arch. 337, 338, 339 . .	3(0-6)	2(0-4)	3(0-6)
Materials of Engineering, M. E. 338 . . . .	.....	2(2-0)	.....
Art Appreciation, Art 337, 338, 339	1(1-0)	1(1-0)	1(1-0)
*Teacher Training, Ed. 331, 332, 333	3(3-0)	3(3-0)	3(3-0)

Senior Year

Design, Arch. 341, 342, 343	6(0-12)	6(0-12)	9(0-18)
Structures, Arch. 344	5(5-0)	.....	.....
Concrete Design, Arch. 345 . . . . .	.....	5(5-0)	.....
Heating, Ventilating, Plumbing, M. E.			
3412 . . . . .	.....	3(3-0)	.....
Lighting and Acoustics, Phys. 341 . . . . .	.....	.....	3(3-0)
Figure Drawing, Art 342, 343	3(0-6)	3(0-6)	.....
Composition, Art 316 . . . . .	.....	.....	2(0-4)
Commercial Law, B.-A. 234, 235, 236 . . .	3(3-0)	3(3-0)	3(3-0)
Architectural Practice, Arch. 346 . . . . .	.....	.....	2(2-0)
*Teacher Training, Ed. 341 (342), 343,			
344	3(3-0)	3(3-0)	3(3-0)

CURRICULUM IN CONTRACTING AND BUILDING

Freshman Year

	Fall	Winter	Spring
Algebra, Trigonometry, Analytical Geometry,			
Math. 311, 312, 313	5(5-0)	5(5-0)	5(5-0)
Eng. 211, 212 . . . . .	.....	5(5-0)	5(5-0)
Descriptive Geometry, Math. 314	3(1-4)	.....	.....
Materials of Construction, C. B. 311	3(3-0)	.....	.....
Plan Reading, C. B. 312, 313 . . . . .	.....	4(2-4)	3(2-2)
Carpentry, C. B. 314, 315, 316	4(2-4)	5(2-6)	5(2-6)
Gen. College Physics, Phys. 311, 312, 313	5(4-2)	5(4-2)	5(4-2)
Freshman Lectures, Ed. 211, 212, 213 . . .	1(1-0)	1(1-0)	1(1-0)
Military Science, M. S. 211, 212, 213 . . .	1(0-2)	1(0-2)	1(0-2)

Sophomore Year

Calculus, Math. 321, 322, 323	3(3-0)	3(3-0)	3(3-0)
Eng. 236 (or 233), 241	5(5-0)	5(5-0)	.....
Surveying, Math. 324	4(2-4)	.....	.....
Masonry, C. B. 321, 322, 323	5(2-6)	5(2-6)	3(1-4)
Elements of Architecture, Arch. 311	3(0-6)	.....	.....

Stereotomy Arch. 317	3(1-4)	....
Perspective Drawing, Arch. 324	3(0-6)	....
Foundations, C. B. 324	3(3-0)	....
Electric Wiring, C. B. 325	4(2-4)	....
Lathing, Plastering and Stucco, C. B. 326	5(2-6)	....
Art Appreciation, Art 327, 328, 329	1(1-0)	1(1-0)
Military Science, M. S. 221, 222, 223	1(0-2)	1(0-2)

Junior Year

Mechanics, M. E. 331	5(5-0)	....
Strength of Materials, M. E. 332	5(5-0)	....
Structures, Arch. 334	5(3-4)	....
Heating and Plumbing, C. B. 331	3(2-2)	....
Carpentry, C. B. 332, 333, 334	5(2-6)	5(2-6)
Masonry, C. B. 335	4(2-6)	....
Working Drawings, Arch. 337, 338, 339	3(0-6)	2(0-4)
Principles of Accounting, B. A. 231, 232	5(5-0)	5(5-0)
Art Appreciation, Art 337, 338, 339	1(1-0)	1(1-0)
*Teacher Training, Ed. 331, 332, 333	3(3-0)	3(3-0)

Senior Year

Reinforced Concrete, C. B. 341	4(2-4)	....
Testing Materials Laboratory, M. E. 349	2(1-3)	....
Contracts and Specifications, M. E. 3411	5(5-0)	....
Painting and Decorating, C. B. 342	3(1-4)	....
Fireproof Construction, C. B. 343	2(2-0)	....
Steel Construction, C. B. 344	2(2-0)	....
Sheetmetal Work, C. B. 345	3(2-2)	....
Commercial Law, B. A. 234, 235, 236	3(3-0)	3(3-0)
Principles of Business, B. A. 231	5(5-0)	....
Building Superintendence, C. B. 346, 347, 348	3(3-0)	3(3-0) 15(0-30)
Builders Cost Accounting, C. B. 349, 3410	3(3-0)	2(0-4)
*Teacher Training, Ed. 341, (342), 344	3(3-0)	3(3-0)

CURRICULUM IN MECHANICAL ENGINEERING

Freshman Year

	Fall	Winter	Spring
Algebra, Trigonometry, Analytical Geometry, Math, 311, 312, 313	5(5-0)	5(5-0)	5(5-0)

Note:—Credits: Listed under terms, the figure to the extreme left indicates the term credits. The left-hand figure within parentheses indicates the number of recitations per week; the right-hand figure indicates the periods of laboratory work per week in the course.

* Students desiring a North Carolina Teacher's Certificate must elect prescribed teacher training courses.

Eng. 211, 212	5(5-0)	5(5-0)
Descriptive Geometry, M. E. 314	3(1-4)	.....
Mechanical Drawing, M. E. 311, 312	4(0-8)	4(0-8)
General College Physics, Phy. 311, 312, 313	5(4-2)	5(4-2)
Military Science, M. S. 211, 212, 213	1(0-2)	1(0-2)
Patternmaking, M. E. 317	3(0-6)	.....

Sophomore Year

Calculus, Math. 321, 322, 323	3(3-0)	3(3-0)	3(3-0)
Eng. 236 (or 233), 241	5(5-0)	5(5-0)	.....
General Chemistry, Chem. 111a, 112a	5(3-4)	5(3-4)	.....
Qualitative Analysis, Chem. 113 . . . . .	.....	.....	5(3-4)
Mechanism, M. E. 321, 322 . . . . .	.....	5(5-0)	5(5-0)
Machine Drawing, M. E. 323	3(0-6)	.....	.....
Mech. Eng., Drawing, M. E. 324, 325	3(0-6)	3(0-6)	3(0-6)
Surveying, Math. 324 . . . . .	.....	.....	.....
Forge Shop, M. E. 326, 327	3(0-6)	3(0-6)	.....
Military Science, M. S. 221, 222, 223	1(0-2)	1(0-2)	1(0-2)

Junior Year

	Fall	Winter	Spring
Mechanics, M. E. 331, 332, 333	5(5-0)	5(5-0)	5(5-0)
Thermodynamics, M. E. 334, 335, 336	5(5-0)	5(5-0)	5(5-0)
Hydraulics, M. E. 337 . . . . .	.....	.....	3(3-0)
Materials of Construction, M. E. 338, 339 . . . . .	.....	2(2-0)	2(2-0)
Mechanism of Machines, M. E. 3310	5(5-0)	.....	.....
Machine Tools, M. E. 3314, 3315	3(0-6)	3(0-6)	.....
Economics 231, 232, 233	3(3-0)	3(3-0)	3(3-0)
*Ed. 331, 332, 333	3(3-0)	3(3-0)	3(3-0)

Senior Year

Report Writing, M. E. 3410	4(3-2)	.....	.....
Contracts and Specifications, M. E. 3411 . . . . .	.....	5(5-0)	.....
Heating and Ventilating, M. E. 3412	3(3-0)	.....	.....
Electrical Eng. Lab., M. E. 3415 . . . . .	.....	.....	3(1-4)
Elements of Electrical Engineering, M. E.			
3416, 3417	5(5-0)	5(5-0)	.....
Survey of Engineering, M. E. 342 . . . . .	.....	2(1-2)	.....
Machine Design, M. E. 3312, 346, 347	5(5-0)	5(2-6)	5(2-6)
Hydraulic Turbines, M. E. 345 . . . . .	.....	.....	3(3-0)
Steam Power Plant Eng., M. E. 348 . . . . .	.....	.....	5(5-0)
Testing Materials Laboratory, M. E. 349 . . . . .	.....	2(1-3)	.....
*Ed. 341, 343, 344	3(3-0)	3(3-0)	5(5-0)

Note:—Credits: Listed under terms, the figure to the extreme left indicates the term credits. The left-hand figure within parentheses indicates the number of recitations per week; the right-hand figure indicates hours of laboratory work per week.

* Students desiring a North Carolina Teacher's Certificate must elect prescribed teacher training courses.

TEACHER-TRAINING FOR TRADES AND INDUSTRIAL EDUCATION

TEACHERS OF INDUSTRIAL ARTS

The State of North Carolina finds it quite a problem to secure qualified teachers of Industrial Arts for its High Schools. A. and T. College offers courses for the training of Industrial Arts teachers. The prospective teacher, in addition to a thorough preparation in subject matter in the various shops such as wood-working, machine shop practice, electrical work, automobile repairing, masonry, and mechanical drawing, is given courses in organization of the industrial arts, shop management, and methods of instruction.

TEACHERS FOR TRADES AND INDUSTRIES AND THE RELATED SUBJECTS

The board for vocational education has designated A. and T. College as the Teacher-Training Institution for teachers of trades and industries and the related subjects. Its purpose is to meet the growing demand for such teachers in the State and to develop the vocational program. We are in great need of all day trade and part-time trade teachers and evening trade class teachers, and in a very short time it is possible that we shall need colored supervisors and directors of industrial education in our larger towns and cities. The School of Mechanic Arts is co-operating with the Department of Industrial Education in training men for these positions. Students with trade knowledge and experience and two years of technical college work are eligible for vocational teacher training for Trades and Related Subjects, and the Industrial Arts.

One of the greatest needs at present is qualified trades and technical teachers of evening classes. Students who have a high school training and trade knowledge and technical experience may enter a two-year teacher training course and receive a State vocational certificate to teach in evening schools and classes.

CURRICULUM FOR TRADES AND INDUSTRIAL ARTS TEACHERS

	<i>Freshman Year</i>	Fall	Winter	Spring
Algebra, Trigonometry, Analytical Ge- ometry, Math. 311, 312, 313	5(5-0)	5(5-0)	5(5-0)	
Eng. 211, 212		5(5-0)	5(5-0)	
Descriptive Geometry, M. E. 314	3(1-4)			
General Physics, Phys. 311, 312, 313	5(4-2)	5(4-2)	5(4-2)	

Mechanical Drawing, Machine Drawing, M. E. 311, 312 .....	.....	4(0-8)	4(0-8)
Shopwork, Elective, M. E. or B. C.	3(0-6)	3(0-6)	3(0-6)
Military Science, M. S. 211, 212, 213 ...	1(0-2)	1(0-2)	1(0-2)

Sophomore Year

Calculus, Math. 321, 322, 323	3(3-0)	3(3-0)	3(3-0)
Eng. 236 (or 233), 241	5(5-0)	5(5-0)	.....
General Chemistry, Qualitative Analysis, Chem. 111a, 112a, 113	5(3-4)	3(3-4)	3(3-4)
Machine Draw., Mch. Drawing, M. E. 323, 324, 325	3(0-6)	3(0-6)	3(0-6)
Applied Mechanics, M. E. 331, 332	5(5-0)	5(5-0)	.....
General Psychology, Ed. 221	4(4-0)	.....	.....
Military Science, M. S. 221, 222, 223....	1(0-2)	1(0-2)	1(0-2)

Junior Year

	Fall	Winter	Spring
Public Speaking, English 232	3(3-0)	.....	.....
Machine Drawing, Machine Design, M. E. 3311, 3312, 3313	3(0-6)	4(1-6)	4(1-6)
Education Psy., Trade Analysis, Voc. Edu- cation, Ed. 231, 332, 331	3(3-0)	3(3-0)	3(3-0)
Materials, Equipment, Shop Records, Ed. 333 .....	.....	3(3-0)	.....
Problem of Secondary Education, Ed. 237, 238	3(3-0)	3(3-0)	.....
Principles of Economics, Econ. 231, 232 ..	5(5-0)	5(5-0)	.....
Principles of Sociology, Soc. 231	4(4-0)	.....	.....
Junior Structures, Arch. 334 .....	.....	.....	5(5-0)
Shop Work, Electives, M. E. or B. C. ....	.....	.....	3(0-6)
Technique of Teaching 242	5(5-0)	.....	.....

Senior Year

Curriculum Const., School Admin., and Supervision, Test and Measurements, Ed. 235, 234, 236	3(3-0)	3(3-0)	5(5-0)
Voc. Guidance, Organization of Indus. Arts, Ed. 341, 342	3(3-0)	3(3-0)	.....
Organization of Part-Time Classes, Shop Methods, Observation and Practice Teaching, Ed. 344, 343, 345	3(3-0)	3(3-0)	3(3-0)

Note:—Credits: Listed under terms, the figure to the extreme left indicates the term credits. The left-hand figure within parentheses indicates the number of recitations per week; the right-hand figure indicates hours of laboratory work per week.

History of Education, Ed. 223	5(5-0)
Educational Sociology, Ed. 239	3(3-0)
Free Hand Drawing, Water Color, Art 311, 312, 313	3(0-6) 3(0-6) 3(0-6)
Reinforce Concrete, C. B. 341	5(2-6)
Testing Materials Laboratory, M. E. 349	2(1-3)

CURRICULUM IN FINE ARTS

For Students Who wish to Major in Fine Arts

Freshman Year

	Fall	Winter	Spring
English 211, 212	5(5-0)	5(5-0)	5(5-0)
History of Western Europe 211	5(5-0)	.....	.....
History Elective	5(5-0)	.....	.....
Negro History 213 . . . . .	.....	.....	5(5-0)
Art 311, 312, 313, (Cast Drawing)	3(0-6)	3(0-6)	3(0-6)
Education 211, 212, 213	1(1-0)	1(1-0)	1(1-0)
Mechanical Drawing	2(0-4)	2(0-4)	.....
Still Life 1 . . . . .	.....	1(0-2)	1(0-2)
Composition 1	1(1-0)	1(1-0)	1(1-0)
Lettering 1 . . . . .	.....	.....	1(0-2)
Perspective Art 3110 . . . . .	.....	½(0-1)	.....
Sketch 1	1(0-2)	1(0-2)	1(0-2)
Design 1	1(0-2)	1(0-2)	1(0-2)
Physical Education	½(0-1)	½(0-1)	½(0-1)

Sophomore Year

Eng. 236 (or 233), 241	5(5-0)	5(5-0)	.....
General Psychology 221, 222	4(4-0)	4(4-0)	.....
History of Education 223 . . . . .	.....	.....	5(5-0)
Fine Arts 1, (History of Sculpture) 327, 328, 329	1(1-0)	1(1-0)	1(1-0)
Design 2	1(0-2)	1(0-2)	1(0-2)
Still Life 2	1(0-2)	1(0-2)	1(0-2)
Portrait 1	2(0-4)	2(0-4)	2(0-4)
Composition 2	2(1-2)	2(1-2)	2(1-2)
Anatomy 1	1(1-0)	1(1-0)	1(1-0)
Sketch 2	1(0-2)	1(0-2)	1(0-2)
Costume Design 341, 342	2(0-4)	2(0-4)	.....

Note:—Credits: Listed under terms, the figure to the extreme left indicates the term credits. The left-hand figure within parentheses indicates the number of recitations per week; the right-hand figure indicates hours of laboratory per week.

Junior Year

Education 237, 238, 239	3(3-0)	3(3-0)	3(3-0)
American Art 347, 348	1(1-0)	1(1-0)	1(1-0)
Public School Art Methods 1	2(1-2)	2(1-2)	2(1-2)
Fine Arts 2 (History of Painting), 337, 338, 339	1(1-0)	1(1-0)	1(1-0)
Design 3	1(0-2)	1(0-2)	1(0-2)
Water Color 332	2(0-4)	2(0-4)	2(0-4)
Life 2	1(0-2)	1(0-2)	1(0-2)
Portrait 2	2(0-4)	2(0-4)	2(0-4)
Art 321, 322, 323 (Pen and Ink Illustra- tion)	3(0-6)	3(0-6)	3(0-6)
Poster	1(0-2)	1(0-2)	1(0-2)
Interior Decoration	1(0-2)	1(0-2)	1(0-2)
Physical Education (Elective)			

Senior Year

Educational Psychology 231, 232	4(4-0)	4(4-0)	4(4-0)
Practice Teaching 251	4(1-6)	4(1-6)	4(1-6)
Art 345, 346, 347	3(0-6)	3(0-6)	3(0-6)
Life 3	1(0-2)	1(0-2)	1(0-2)
Sketch 3	1(0-2)	1(0-2)	1(0-2)
Portrait 3	2(0-4)	2(0-4)	2(0-4)
Water Color 2	2(0-4)	2(0-4)	2(0-4)
Public School Art Methods	2(1-2)	2(1-2)	2(1-2)
History of Ornament	1(1-0)	1(1-0)	1(1-0)
Public Speaking 232	2(2-0)	2(2-0)	2(2-0)
Thesis	1½(1-1)	1½(1-1)	1½(1-1)

THE COLLEGE OF ARTS AND SCIENCES

WARMOTH T. GIBBS, *Dean*

The Science College offers to the student opportunity to prepare either for teaching or for any one of several distinct vocational pursuits. The course is constructed so that the student, although specializing, may come in touch with subjects that possess wide cultural value and insure that broader outlook upon life which should characterize the educated man or woman. This College also offers professional courses in subjects required by the State Board of Education for the Standard "A" grade certificate. Students who complete all required profes-
State of North Carolina.

sional subjects will qualify for the class "A" certificates offered by the

The Science College includes seven major departments: Business Administration, Education, English, Foreign Language, History, Music, Physical Education, and Social Science.

REQUIREMENTS FOR ADMISSION

Admission requirements are the same as those given for entrance to freshman college classes (Page 20).

REQUIREMENTS FOR GRADUATION

A minimum of 196 term credit hours and 196 grade points,* including military science or physical education, and an acceptable thesis are required for graduation. A student who has been excused from military science, or physical education will be required to earn academic credit in lieu of the requirements from which he has been excused.

THESIS RULES

A candidate for the bachelor's degree in the College of Arts and Sciences must present a satisfactory thesis as part requirement. The subject of the thesis together with the approval of the advisor directing the work must be turned into the office of the Dean of the Arts and Science College not later than December 1. He must submit his complete manuscript to his advisor not later than May 1.

A candidate who expects to receive his degree at the end of the summer quarter must submit the complete manuscript of his thesis, ready for typewriting, to his advisor for approval, not later than four weeks prior to date of graduation. If the manuscript is then approved the candidate proceeds at once to have a type written copy made. The type written copy should then be presented to the advisor, for final

* Required of Freshmen entering Fall, 1930, and thereafter.

approval, not later than one week prior to the date of graduation. If it is then approved it shall be deposited with the registrar not later than three days prior to the date of graduation.

ADVANCED STANDING

Students who transfer from accredited colleges will be given credit for work done upon presentation of records to the proper authorities who will evaluate them.

DEGREES

A student who satisfactorily completes the work of any curriculum of the college and satisfactorily meets all other requirements will be granted the Bachelor of Science Degree.

OPPORTUNITIES FOR WOMEN

All courses in the College are open to women on the same basis as men. There is a great demand for well trained women not only as teachers but in practically all fields of endeavor. Accordingly, women registering in the Teacher Training Division may, with approval of their advisor, select courses in any other division or department of the Institution.

The aim of this division is to give the women as well as the men who plan to teach every opportunity to take full advantage of all the facilities of the College in developing the best and most comprehensive training possible.

ADVISORS

Each student of the college is assigned an advisor when he presents himself for registration. The advisor is always a member of the faculty. All courses must be elected with the approval of the advisor assigned.

MAJORS AND MINORS

A student upon entering his third year is expected to concentrate in at least two definite fields of study. In arranging his work he must conform to the following regulations: (1) At least forty-five hours of the total number required for graduation must be chosen from a particular subject or field. This will constitute the student's major group. (2) At least 27 hours must be chosen from another subject or field. This will constitute his minor group. The major should represent the student's principal field of interest and the minor, that of his second selection. Persons preparing to teach must complete majors in two fields.

I. The following are suggested as fields for major study:

1. Business Administration.
2. Chemistry.
3. Commercial Education.
4. Economics.
5. English.
6. Fine Arts.
7. History.
8. Mathematics.
9. Modern Languages.
10. Physical Education.
11. Science (Including Biology and Botany).
12. Sociology.

II. For a minor the student may select any one of the above fields other than that of his major study.

III. The elective work may be taken in any of the departments indicated above or from any other department of the Institution subject to the approval of the Dean of the College of Arts and Sciences.

FOREIGN LANGUAGE REQUIREMENTS

Students who do not present two units in a foreign language for admission must complete at least eighteen term hours in one foreign language; others will complete a minimum of ten hours in the same language.

REGULATIONS FOR NORTH CAROLINA TEACHERS' CERTIFICATES

A. SPECIFIC REQUIREMENTS, HIGH SCHOOL TEACHERS' CERTIFICATE.

Effective July 1, 1931, and thereafter, in order to secure the High School Teacher's Certificate Class "A" applicants must have met the following professional requirements:

1. Education Psychology	3 semester hours
2. Principles of High School Teaching or Problems in Secondary Education	3 semester hours
3. Materials and Methods (Two fields)	6 semester hours
4. Observation and Directed Teaching	3 semester hours
(One or both fields)	
5. Electives	6 semester hours

CURRICULA

During the first two years in the College of Arts and Sciences, the student is expected to lay a broad foundation for later specialization. To secure this end the courses in the Freshman and Sophomore years

have been so selected and grouped as to cover all of the major fields of knowledge. They are prescribed and required of all students in the College.

FRESHMAN YEAR

In the Freshman year each student may carry from 15 to 19 credit hours during any quarter. He will be assigned an adviser who will assist him in making out his program selected from the following groups:

	Credit hours each
ENGLISH COMPOSITION	
Eng., 211, 212.	5
FOREIGN LANGUAGE	
French 211, 212, 213	4
German 211, 212, 213	4
HISTORY	
Hist. 211, Western Europe	5
Hist. 213, Negro	5
MATHEMATICS	
Math. 311, College Algebra	5
Math. 312, Trigonometry	5
ORIENTATION	
Ed. 211, 212, 213	1
HEALTH	
Mil. Sc. 211, 212, 213, or	
Phy. Ed. 211, 212, 213	1
MUSIC APPRECIATION	
Music 211, 212, 213	1
NATURAL SCIENCE	
Chem. 111, 112, 113	5
Physics 311, 312, 313	5

All Freshmen courses with the exception of natural sciences and foreign languages, offered in the fall quarter will be offered in the winter and spring quarters also. This makes it possible for Freshmen to enter any quarter.

SOPHOMORE YEAR

During his Sophomore year each student with the approval of his adviser may select and carry from 15 to 19 credit hours per quarter from the following groups:

	Credit hours each
EDUCATION	
General Psychology, Ed. 221, 222	4
History of Education, Ed. 223	4
ENGLISH LITERATURE	
Eng. 222, 223	5
ETHICS	
Phil. 223	3
FOREIGN LANGUAGE	
French 221, 222, 223	5
German 221, 222, 223	5
HEALTH	
Military Science 221, 222, 223, or	
Physical Education 221, 222, 223	1
HISTORY, U. S.	
Hist. 221, 222, 223	5
MATHEMATICS	
Calculus, Math. 321, 322, 323	3
NATURAL SCIENCE	
General Zoology, Biol. 121	4
Anatomy and Physiology, Biol. 122	3
General Botany, Bot. 111	4
CULTURAL	
Music Appreciation, Music 221, 222, 223	1
FREE ELECTIVES	
Mechanical or Agricultural College	5-10

COURSE PRELIMINARY TO ADMISSION TO MEDICAL COLLEGE

This Institution has been rated as class "A" by the American Medical Association as to qualifications for giving pre-medical school training. Students completing the prescribed course are therefore admitted to the medical colleges of this country without examination.

All students planning to study medicine are urged to complete the four-year course and receive their degree first. In cases where such will not be possible, the following is suggested as a two-year pre-medical course in addition to military science and physical education, which will meet the minimum requirements.

Freshman Year

	<i>Fall</i>	Credits
Foreign Language		5
Chemistry 111		5
English 211		5
Education 211		1

	<i>Winter</i>	Credits
Foreign Language		5
Chemistry 112		5
English 212		5
Education 212		1

	<i>Spring</i>	Credits
Foreign Language		5
Chemistry 113		5
Mathematics 311		5
Education 213		1

Sophomore Year

	<i>Fall</i>	Credits
Physics 311		5
Educ. 221		4
Bot. 111		4
Eng. 232		3

	<i>Winter</i>	Credits
Physics 312		5
Educ. 222		4
Biol. 121		4
Chem. 124		5

	<i>Spring</i>	Credits
Physics 313		5
Math. 312		5
Biol. 122		4
Elective		3

SELECTION OF MAJORS

On reaching the Junior year in college each student will be required to make out a program of study covering both the Junior and Senior years indicating his major and minor, and also the courses intended to meet these requirements. This will be submitted to his adviser for approval. The following combinations are suggested for Majors:

MAJOR IN AMERICAN HISTORY

	<i>Junior Year</i>	Fall	Winter	Spring
Principles of Economics, Econ. 231, 232	5(5-0)	5(5-0)	.....
U. S. History, Hist. 221	5(5-0)	.....	.....
U. S. History, Hist. 222	.....	5(5-0)	.....
U. S. History, Hist. 223	.....	.....	5(5-0)	
Domestic and Foreign Trade, Econ. 265	.....	.....	5(5-0)	
American Government, Pol. Sc. 231, 232	5(5-0)	5(5-0)	.....
Political Parties, Pol. Sc. 234	.....	3(3-0)	.....
Anthropology, Soc. 233	.....	.....	3(3-0)	

Senior Year

International Relations, Pol. Sc. 241	5(5-0)	.....	.....
Geography, Principles, Hist. 243	5(5-0)	.....	.....
Com. and Ind. Geography, Hist. 241, 242	.....	4(4-0)	5(5-0)
Latin-American History, Hist. 233	.....	.....	5(5-0)
Historical Research, Hist. 245	3(3-0)	.....	.....

*Electives

MAJOR IN BIOLOGICAL SCIENCES

Junior Year

General Bacteriology, Bact. 121	.....	5(3-4)	.....
Advanced Bacteriology, Bact. 131	.....	.....	5(3-4)
General Botany, Bot. 111	4(3-2)	.....	.....
General Zoology, Zool. 121	.....	4(3-2)	.....
Economic Entomology, Zool. 131	.....	.....	3(2-2)
Genetics and Evolution, Zool. 134	.....	3(3-0)	.....
Electives			

Senior Year

Principles of Geography, Hist. 243	5(5-0)	.....	.....
Com. and Ind. Geography, Hist. 241, 242	.....	4(4-0)	5(5-0)
Comparative Anatomy, Zool. 122	.....	.....	3(3-0)
Advanced Botany, Bot. 121	.....	.....	3(2-2)
Plant Physiology, Bot. 122	.....	3(2-2)	.....
Systematic Botany, Bot. 141	.....	.....	3(2-2)
Electives			

* Those planning to teach must select education courses. See professional requirements on page 57.

MAJOR IN CHEMISTRY

Junior Year

	Fall	Winter	Spring
Quanitative Analysis, Chem. 131, 132	5(2-6)	5(2-6)	.....
Agricultural Analysis, Chem. 133 . . . . .	.....	.....	5(2-6)
Educational Psychology, Edu. 231, 232 .. 4(4-0)	4(4-0)	4(4-0)	.....
Comparative Study of School Systems, Educ. 233	3(3-0)	.....	.....

Electives

Senior Year

Advanced Quantitative Analysis, Chem. 141	5(2-6)	.....	.....
Advanced Inorganic Chemistry, Chem. 151	5(2-6)	.....	.....
Industrial Chemistry, Chem. 145 . . . . .	.....	.....	3(3-0)
Physical Chemistry, Chem. 143	6(3-6)	.....	.....
Teaching of Science, Educ. 249	3(3-0)	.....	.....
Observation and Practice Teaching, Educ. 251 . . . . .	.....	.....	4(1-6)

Electives

MAJOR IN BUSINESS ADMINISTRATION

Junior Year

Principles of Business, B. A. 231	5(5-0)	.....	.....
Accounting, B. A. 232, 233	5(5-0)	5(5-0)	5(5-0)
Commercial Law, B. A. 234, 235, 236	3(3-0)	3(3-0)	3(3-0)
Principles of Salesmanship, B. A. 237	5(5-0)	.....	.....
Principles of Advertising, B. A. 238	5(5-0)	.....	.....
Business Correspondence, B. A. 239 . . . . .	.....	.....	5(5-0)
Principles of Economics, Econ. 231	5(5-0)	.....	.....
Economic Problems, Econ. 232	5(5-0)	.....	.....
Money and Credit, Econ. 242 . . . . .	.....	.....	5(5-0)

Senior Year

Cost Accounting, B. A. 241	5(5-0)	.....	.....
Accounting Systems, B. A. 242	5(5-0)	.....	.....
Principles of Marketing, B. A. 244	5(5-0)	.....	.....
Business Finance, B. A. 247	5(5-0)	.....	.....
Corporation Finance, B. A. 248	5(5-0)	.....	.....
Investment, B. A. 249 . . . . .	.....	.....	5(5-0)
Business Management, B. A. 251	5(5-0)	.....	.....
Office Management, B. A. 252	5(5-0)	.....	.....
Personnel Administration, B. A. 253 . . . . .	.....	.....	5(5-0)
Insurance, B. A. 256 . . . . .	.....	.....	5(5-0)

MAJOR IN COMMERCIAL EDUCATION

Junior Year

Principles of Business, B. A. 231	5(5-0)	.....	.....
Accounting, B. A. 232, 233	5(5-0)	5(5-0)	5(5-0)

	Fall	Winter	Spring
Commercial Law, B. A. 234, 235, 236 . . .	3(3-0)	3(3-0)	3(3-0)
Prin. of Salesmanship, B. A. 237	5(5-0)	.....	.....
Prin. of Advertising, B. A. 238 . . . . .	.....	5(5-0)	.....
Business Correspondence, B. A. 239 . . . . .	.....	.....	5(5-0)
*Electives	5(5-0)	5(5-0)	5(5-0)

Senior Year

Business Finance, B. A. 247	5(5-0)	.....	.....
Corporation Finance, B. A. 248 . . . . .	.....	5(5-0)	.....
Investments, B. A. 249 . . . . .	.....	.....	5(5-0)
Business Management, B. A. 251	5(5-0)	.....	.....
Office Management, B. A. 252 . . . . .	.....	5(5-0)	.....
Personnel Administration, A. B. 253 . . . . .	.....	.....	5(5-0)
*Electives	.....	.....	.....

MAJOR IN ECONOMICS

Junior Year

	Fall	Winter	Spring
Principles of Economics, Econ. 231	5(5-0)	.....	.....
Economic Problems, Econ. 232 . . . . .	.....	5(5-0)	.....
Money and Credit, Econ. 242 . . . . .	.....	.....	5(5-0)
Labor Problems, Legislation, Econ. 264	5(5-0)	.....	.....
Unemployment, Econ. 266 . . . . .	.....	.....	5(5-0)
Commercial Law, B. A. 234, 235, 236	3(3-0)	3(3-0)	3(3-0)
Electives	.....	.....	.....

Senior Year

Domestic and Foreign Trade, Econ. 259	5(5-0)	.....	.....
Credit and Collections, Econ. 261 . . . . .	.....	5(5-0)	.....
Public Finance, Econ. 262 . . . . .	.....	.....	5(5-0)
Industrial Geography, Hist. 241, 242 . . . . .	.....	4(4-0)	5(5-0)
Principles of Geography, Hist. 243	5(5-0)	.....	.....
Electives	.....	.....	.....

MAJOR IN ENGLISH

Junior Year

Journalism, Eng. 231	5(5-0)	.....	.....
Public Speaking, Eng. 232	3(3-0)	.....	.....
or			
Argumentation and Debating, Eng. 236	5(5-0)	.....	.....
or			
Dramatics, Eng. 233	5(5-0)	.....	.....
Chaucer, Eng. 235 . . . . .	.....	5(5-0)	.....

* Electives are to be selected from the Department of Education.

	Fall	Winter	Spring
Shakespeare, Eng. 334			5(5-0)

or

American Literature, Eng. 221			5(5-0)
Philosophy, Phil. 231, 232, 223	3(3-0)	3(3-0)	3(3-0)

Electives

Senior Year

Advanced Composition and Literature, Eng.

244	5(5-0)		
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or

Eighteenth Century Literature, Eng. 241, 5(5-0)			
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The Romantic Era, Eng. 242	5(5-0)		
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The Victorian Era, Eng. 243			5(5-0)
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Anc. and Med., Hist. 231, 232	5(5-0)	5(5-0)	
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Electives

MAJOR IN EUROPEAN HISTORY

Junior Year

Ancient History, Hist. 231	5(5-0)		
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Mediaeval History, Hist. 232		5(5-0)	
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European Government, Pol. Sc. 233			5(5-0)
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Economics, Econ. 231, 232	5(5-0)	5(5-0)	
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Domestic and Foreign Trade, Econ. 265			5(5-0)
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Anthropology, Soc. 233			3(3-0)
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Electives

Senior Year

International Relations, Pol. Sc. 241	5(5-0)		
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Principles of Geography, Hist. 243	5(5-0)		
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Com. and Ind. Geography, Hist. 241, 242		4(4-0)	5(5-0)
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Latin American History, Hist. 233			5(5-0)
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Historical Research, Hist. 245	3(3-0)		
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Electives

SPECIAL COURSES IN BUSINESS ADMINISTRATION

Auditing, B. A. 243			5(5-0)
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Elements of Statistical Methods, B. A. 254	4(2-4)		
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Business Forecasting, B. A. 258		5(5-0)	
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Sales Administration, B. A. 255		5(5-0)	
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Credit and Collection, B. A. 259			5(5-0)
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Marketing Farm Products, B. A. 245		5(5-0)	
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Domestic and Foreign Trade, B. A. 246			5(5-0)
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Prin. of Real Estate, B. A. 257		5(5-0)	
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CERTIFICATE IN SECRETARIAL SCIENCE

	<i>Freshman Year</i>	Fall	Winter	Spring
Principles of Business, B. A. 231	5(5-0)
*Accounting, B. A. 232, 233 . . . . .	.....	5(5-0)	5(5-0)	5(5-0)
Business Correspondence, B. A. 239 . . . . .	.....	.....	.....	5(5-0)
English Composition, Eng. 211, 212	5(5-0)	5(5-0)	.....	.....
Principles of Bookkeeping, Sec. Sc. 211 . . . . .	.....	5(5-0)	.....	.....
Secretarial Studies, Sec. Sc. 212 . . . . .	.....	.....	6(2-8)	.....
Shorthand, Sec. Sc. 214, 215, 216	5(5-0)	5(5-0)	5(5-0)	.....
Typewriting, Sec. Sc. 217, 218, 219	2.5(0-5)	2.5(0-5)	2.5(0-5)	.....

Sophomore Year

General Psychology, Educ. 221, 222	4(4-0)	4(4-0)	.....
Principles of Salesmanship, B. A. 237	5(5-0)	.....	.....
Office Management, B. A. 252 . . . . .	.....	5(5-0)	.....
Commercial Law, B. A. 234, 235, 236	3(3-0)	3(3-0)	3(3-0)
†Office Training, Sec. Sc. 221 . . . . .	.....	.....	9(2-15)
Advanced Stenography, Sec. Sc. 222 . . . . .	.....	.....	5(5-0)
Electives	6(6-0)	6(6-0)	.....

SPECIAL SECRETARIAL SCIENCE

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
B. A. 231	Sec. Sc. 211	B. A. 239-5
Sec. Sc. 214	Sec. Sc. 221-9	Sec. Sc. 216
Sec. Sc. 217	Sec. Sc. 215	Sec. Sc. 216-5
	Sec. Sc. 218	Sec. Sc. 219-2
		Sec. Sc. 222

MAJOR IN PHYSICAL EDUCATION

Junior Year

Folk Dancing, Physical Ed. 224, 226, 225 .	2(1-2)	2(1-2)	2(1-2)
Massage, Phy. Ed. 237	2(1-2)	2(1-2)	2(1-2)
Methods, Phy. Ed. 238, 239 . . . . .	.....	2(1-2)	2(1-2)
Nutrition, Phy. Ed. 240	1(1-0)	.....	.....
Developmental Gymnastics, Phy. Ed. 231	2(1-2)	.....	.....
Corrective Gymnastics, Phy. Ed. 233 . . . . .	.....	2(2-0)	.....
Psychology of Play, Phy. Ed. 235	2(2-0)	.....	.....
History of Phy Ed., Phy. Ed. 233	1(1-0)	.....	.....
Hygiene, Phy. Ed. 215, 216 . . . . .	.....	2(2-0)	2(2-0)
Electives			

* May be elected.

† May be taken during any quarter.

<i>Senior Year</i>		<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
Nutrition, Phy. Ed. 240	.....	1(1-0)	.....	.....
Vocal Expression, Phy. Ed. 250	.....	1(1-0)	1(1-0)	.....
Pantomime, Phys. Ed. 242, 243	.....	.....	1(1-0)	1(1-0)
Pageantry, Phy. Ed. 244	.....	.....	.....	1(1-0)
Physical Diagnosis, Phy. Ed. 251	.....	2(2-0)	.....	.....
Preventive Medicine, Phy. Ed. 253, 254	.....	.....	2(2-0)	2(2-0)
Practice Teaching, Phy. Ed. 262, 263	.....	.....	4(1-6)	4(1-6)
Creative Dancing, Phy. Ed. 271	.....	3(1-4)	.....	.....
Corrective Clinic, Phy. Ed. 272, 273, 274	2(1-2)	2(1-2)	2(1-2)	2(1-2)

MAJOR IN FOREIGN LANGUAGES

<i>Junior Year</i>		<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
French 214, 215, 216	.....	5(5-0)	5(5-0)	5(5-0)
or				
French 221, 222, 223	.....	5(5-0)	5(5-0)	5(5-0)
German 211, 212, 213	.....	5(5-0)	5(5-0)	5(5-0)
Electives				
<i>Senior Year</i>				
French 231, 232, 233	.....	5(5-0)	5(5-0)	5(5-0)
French 245	.....	3(0-6)	3(0-6)	3(0-6)
German 221	.....	5(5-0)	.....	.....
German 222	.....	.....	5(5-0)	.....
German 223	.....	.....	.....	5(5-0)
Electives				

MAJOR IN MATHEMATICS

<i>Junior Year</i>				
Calculus, Math. 321, 322, 323	.....	3(3-0)	3(3-0)	3(3-0)
Principles of Economics, Econ. 231, 232,				
262	.....	5(5-0)	5(5-0)	5(5-0)
Physics 311, 312, 313	.....	5(5-0)	5(5-0)	5(5-0)
Electives				

Senior Year

Surveying, Math. 324	.....	3(3-0)	.....	.....
Differential Equations, Math. 331	.....	3(3-0)	.....	.....
*Problems of Teaching, Educ. 242	.....	5(5-0)	.....	.....
*Teaching of Mathematics, Educ. 246	.....	.....	3(3-0)	.....
*Observation and Practice Teaching, Educ.				
251	.....	.....	.....	4(1-6)

* Required of those planning to teach.

MAJOR IN SOCIOLOGY

	<i>Junior Year</i>	Fall	Winter	Spring
Principles of Sociology, Soc. 231	5(5-0)	.....	.....	.....
Community Life, Soc. 232 . . . . .	.....	5(5-0)	.....	.....
Principles of Economics, Econ. 231, 232	5(5-0)	5(5-0)	.....	.....
Unemployment, Econ. 266 . . . . .	.....	.....	5(5-0)	.....
Anthropology, Soc. 233 . . . . .	.....	.....	3(3-0)	.....
<i>Senior Year</i>				
The Family, Soc. 241	3(3-0)	.....	.....	.....
Problems of Race, Soc. 242 . . . . .	.....	3(3-0)	.....	.....
Rural Sociology, Soc. 243 . . . . .	.....	.....	3(3-0)	.....
Community Organization, Soc. 244 . . . . .	.....	4(4-0)	.....	.....
Principles of Geography, Hist. 243	5(5-0)	.....	.....	.....
Com. and Ind. Geography, Hist. 241, 242 . . . . .	.....	4(4-0)	5(5-0)	.....
Case Study, Soc. 245	3(3-0)	.....	.....	.....
Electives				

DESCRIPTION OF COURSES

AGRONOMY

111. **SOIL MANAGEMENT.** A course dealing with the methods of soil utilization including the methods of fertilizing the soil, the mixing and applying commercial plant-foods, the use of green manure, stable manure, lime, and the influence of crop rotation and fertilizer on the soils as shown by field experiments.

Fall Quarter—Credit, 3(2-2).

112. **FIELD AND FORAGE CROPS.** The course includes lectures and recitations on the history, production, adaptation, use, harvesting, and curing. The identification of forage plants and their seeds, pasture and forage crop regions and the plotting of maps of sections adapted to each of the leading forage crops, with special emphasis on those of North Carolina. The crops are considered, from the standpoint of pasture crops, hay crops and soil improving crops.

Winter Quarter—Credit, 4(3-2).

121. **NATURE AND PROPERTIES OF SOILS.** A course dealing with the origin, formation and classification of soils and their chemical relationships. The chemical, physical and biological properties, with reference to composition and plant relations of soils. The practical use of lime, fertilizers and other means of maintaining soil fertility.

Prerequisites: 111 and 112.

Winter Quarter—Credit, 4(3-2).

131. **TOBACCO.** Lectures and recitations on the history, production, adaptation, type, varieties, cultivation, harvesting, grading, marketing, diseases and control measures, based on North Carolina conditions.

Prerequisites: 111, 112 and 121.

Fall Quarter—Credit, 4(2-4).

132. **COTTON.** The course includes lectures and recitations on the history, origin, production, adaptation, varieties, cultivation, harvesting and grading with some reference to marketing, diseases and control, measures, rotation and the upkeep of soil fertility under long time cropping systems.

Prerequisites: 111, 112 and 121.

Spring Quarter—Credit, 4(2-4).

133. **SOIL BACTERIOLOGY:** (See Bacteriology).

141. **SEED IDENTIFICATION.** The course consists of lectures, discussions, and practice in the identification of field and forage crops, seeds, with some attention to storage methods and the relative length of viable period.

Prerequisites: 112 and Botany 111.
Winter Quarter—Credit, 3(1-4).

142. **SEMINAR.** The Seminar meets weekly, and is required of all Seniors. It consists of reports and abstracts from various scientific journals on topics related to crop and soil relations.

Prerequisites: 111, 112 and 121.
Quarter to be arranged at time of registration.

Note:—Credits: Listed under terms, the figure to the extreme left indicates the term credits. The left-hand figure within parentheses indicates the number of recitations per week; the right-hand figure indicates hours of laboratory per week.

ANIMAL HUSBANDRY, DAIRYING AND POULTRY

ANIMAL HUSBANDRY

111. **SWINE, HORSE AND MULE PRODUCTION.** A detailed study of the most practical methods used in the production and management of farm work stock under southern conditions. A study of types, breeds, characteristics and adaptability of swine, breeding, housing and marketing will be emphasized.

Fall Quarter—Credit, 3(2-2).

121. **DISEASES OF FARM ANIMALS.** A course dealing with a general consideration of the causes, prevention and treatment of diseases of farm animals, the manner of spread, disinfectants and their application; general hygiene and stable sanitation, including drainage and selection of site.

Fall Quarter 3(2-2).

122. **SELECTION AND JUDGING.** This course is designed to acquaint students with the types and breed characteristics of farm animals by use of the score card comparative judging and selection of breeding stock.

Prerequisites: Animal Husbandry 111 and 121.

Winter Quarter—Credit, 3(2-2).

123. **ANIMAL NUTRITION.** A study of the general principles of nutrition as applied to livestock, composition of feed stuffs, comparisons and use of feeding standards, calculating rations, methods of feeding for economic production.

Prerequisites: Chemistry 111a, 112a, 122.

Spring Quarter—Credit, 3(2-2).

131. **BREED HISTORY.** History of breeds; pedigrees and registration methods.

Prerequisite: Animal Husbandry 122.

Winter Quarter—Credit, 3(3-0).

141. **SPECIAL PROBLEMS IN ANIMAL HUSBANDRY.**
(Hours and credits to be arranged.)

142. **SEMINAR.** (For Seniors only.)

Prerequisites: Animal Husbandry 111, 131.

Any Quarter—Credit, 1 hour.

DAIRYING

111. PRINCIPLES OF DAIRYING. The course takes up secretion, composition, testing and separation of milk; the farm manufacture of cheese, butter and ice cream.

Spring Quarter—Credit, 5(3-4).

121. ADVANCED MILK TESTING. This course gives the student a knowledge of various acid tests, moisture and salt tests; the use of the lactometer; rennet tests, detection of preservatives and impurities; practical problems in dairy mathematics.

Prerequisite: Principles of Dairying 111.

Fall Quarter—Credit 5(3-4).

131. BUTTER MANUFACTURE. This course comprises a study of farm separators, separating milk for butter making, starter making, pasteurization, cream ripening; manufacturing, judging and scoring butter.

Prerequisite: Dairying 121.

Fall Quarter—Credit, 5(3-4).

132. ICE CREAM MAKING. A study of the manufacture of ice cream, sherbets and ices on a private or commercial scale; marketing, scoring and judging.

Prerequisite: Dairying 121.

Spring Quarter—Credit, 5(3-4). (One Lab. period.)

141. DAIRY TECHNOLOGY. This course gives the student a knowledge of the manufacture of casein, condensed milk, evaporated milk, powdered milk, malted milk, milk sugar, renovated butter and oleomargerine. Visits to condenseries and reports.

Prerequisites: Dairying 121, 131 and 132.

Spring Quarter—Credit, 3 hours.

142. DAIRY CHEMISTRY. See Chemistry 142.

Any Quarter—Credit, 5(3-4).

143. DAIRY HERD MANAGEMENT. A course in feeding and management of the dairy herd. It includes a study of pedigrees, handling test cows, advanced registration, fitting cows for show and sale.

Prerequisites: Animal Husbandry 111, 121.

Spring Quarter—Credit, 4(2-4).

144. MANAGEMENT OF DAIRY PLANT. This course gives the student a general knowledge of refrigeration, mechanical refrigeration,

problems in the cost of power to operate machinery, manufacturing butter; salesmanship, and labor problems in the factory.

Prerequisites: Dairying 121, 131, 132.

Winter Quarter—Credit, 5(3-4).

POULTRY

111. **GENERAL POULTRY PROBLEMS.** A course reviewing the general field of poultry, touching especially the phases of care, management and pathology, giving at the same time all essentials a beginner should know.

Prerequisites: None.

Winter Quarter—Credit, 4(3-2).

131. **INCUBATION.** This course deals with the practical phases of incubation and requires the successful operation of an incubator. Students should provide themselves with funds for purchasing from 6 to 12 dozens of good setting eggs, price ranging from 60 cents to \$1.00 per dozen, and meet unnecessary loss to college property.

Prerequisite: Poultry 111.

Winter Quarter—Credit, 3(1-4).

132. **BROODING.** The successful brooding of baby chicks is required in this course together with practicums in sanitation and feeding. The student must be able to bear his own expenses on his project and be responsible for any unnecessary loss to college property.

Prerequisites: Poultry 111, 131.

Spring Quarter—Credit, 3(1-4).

140. **POULTRY GENETICS—ELECTIVES.** For those who wish to go farther into the field of poultry this course is offered to teach the modes of developing the breeding flock and the modern applications of breeding principles, practical Mendelism and applied genetics.

Prerequisite: 132.

As arranged—Credits, 3(2-2).

142. **MARKETING OF POULTRY PRODUCTS—ELECTIVE.** The study of market reports, when to strike markets to get the maximum return, the time to set your producing equipment, is taken up in this marketing course.

Prerequisites: 111, 131, 132.

As arranged—Credits, 3(3-0).

143. **SEMINAR.** Required. A technical review of latest poultry data and problems confronting the advanced poultryman and a completing of some technical problem required by each student of the advanced poultry courses.

Prerequisites: 111, 131, 132 and 141 or 142.

As arranged—Credit, 1(1-0).

ARCHITECTURE

311. ELEMENTS OF ARCHITECTURE. Drafting with lectures co-ordinated. Studies of the architectural elements, classic orders, etc. Instruction in lettering, use and care of instruments, drafting room practice, etc.
Fall Credit, 3(0-6).

312. ELEMENTS OF ARCHITECTURE. Drafting with lectures. A continuation of 311.
Prerequisite: 211.
Winter Credit, 3(0-6).

313. ELEMENTS OF ARCHITECTURE. Drafting with lectures. A continuation of 312.
Prerequisite: 312.
Spring Credit, 3(0-6).

314. STEREOTOMY. A study of the art of stone cutting for the arch principle of construction. Lectures, demonstrations, and drawing. Students will be taught to make detail drawings of stones of irregular shapes and cuts.
Prerequisite: M. E. 314.
Winter Credit, 3(1-4).

315. SHADES AND SHADOWS. The study of the conventionalized architectural shades and shadows. Pen and ink, and brush work.
Prerequisite: M. E. 314.
Spring Credit, 3(0-6).

321. DESIGN. Problems in architectural design and composition; rendering.
Prerequisites: 313 and 315.
Fall Credit, 5(1-8).

322. DESIGN. Problems in architectural design and composition; rendering. A continuation of 321.
Prerequisites: 321 and Art 313.
Winter Credit, 5(1-8).

323. DESIGN. Problems in architectural design and composition; rendering. A continuation of 322.
Prerequisite: 322.
Spring Credit, 5(1-8).

324. **PERSPECTIVE.** Drafting. Principles of architectural perspective in parallel, angular, and aerial.
Prerequisite: M. E. 314.
Spring Credit, 3(0-6).

331. **DESIGN.** Laboratory work with individual criticism. Problems in architectural design and composition. Treatments of exteriors and interiors.
Prerequisite: 323.
Fall Credit, 5(0-10).

332. **DESIGN.** Laboratory work with criticism. A continuation of 331.
Prerequisite: 331.
Winter Credit, 5(0-10).

333. **DESIGN.** Laboratory work with criticism.
A continuation of 332.
Spring Credit, 4(0-8).

334. **JUNIOR STRUCTURES.** Recitation and laboratory. Calculation of roof loads, floor loads, loading on bridges, etc. Design of wood and steel beams and columns.
Prerequisite: M. E. 332.
Spring Credit, 5(3-4).

335. **CARPENTRY.** Lecture recitation. Principles of carpentry; heavy framing; construction; joinery.
Fall Credit, 3(3-0).

336. **MASONRY.** Lecture recitation. Masonry construction as applied to buildings. Foundation; foundation soils; drainage and waterproofing.
Prerequisite: 335.
Winter Credit, 3(3-0).

337. **WORKING DRAWINGS.** Instruction in drafting and tracing working drawings from sketches.
Prerequisites: 311, M. E. 314.
Fall Credit, 3(0-6).

338. **WORKING DRAWINGS.** Making of full working drawings and details of architectural problems.
Prerequisite: 337.
Winter Credit, 2(0-4).

339. WORKING DRAWINGS. Analyzing and drawing of architectural and structural engineering details.
Prerequisite: 338.
Spring Credit, 3(0-6).

341. DESIGN. Laboratory work. A series of problems in architectural composition and structural detail.
Prerequisites: 333, 339.
Fall Credit, 6(0-12).

342. DESIGN. Laboratory work. A continuation of course 341.
Prerequisite: 341.
Winter Credit, 6(0-12).

343. DESIGN. Laboratory work. A continuation of course 342.
Prerequisite: 342.
Spring Credit, 9(0-18).

344. SENIOR STRUCTURES. Lecture recitation. Analytical and graphical computation and analysis of all types of roof trusses, columns, beams and girders.
Prerequisite: 334.
Fall Credit, 5(5-0).

345. CONCRETE DESIGN. Lecture and recitation. Theory and design of reinforced concrete as applied to columns, beams and slabs for commercial buildings.
Prerequisites: 339, M. E. 338.
Winter Credit, 4(2-4).

346. ARCHITECTURAL PRACTICE. A study of architectural office and drafting room practice. Seminar.
Prerequisite: Eco. 238.
Spring Credit, 2(2-0).

ART

GENERAL STATEMENT

Beginning with the fall term, 1930, students will have the opportunity of taking major courses in Art.

The purpose of the course as outlined is as follows:

- a. To discover and develop the latent talents of our students for artistic expression.
- b. To meet a growing demand for special trained art teachers in our public schools and colleges.
- c. To promote a fuller understanding of the importance of Art in our daily life and lay a foundation for careers as creative artists.

All students wishing to major in Art must pass a special examination or submit some of their art work for appraisal. Students in other departments desiring to take special work in Art may, by arrangement with instructor take any of the courses listed under Art.

311. **FREEHAND DRAWING.** Principle of construction lines as applied in the drawing of the antique and still life—sketching in simple outline—accenting line, mass and proportion—light and shade. Stress is placed on primary considerations in beginning any drawing.

Fall Quarter—Credit, 3(0-6).

312. **FREEHAND DRAWING.** Problems in Freehand Perspective, Parallel and Angular—drawing from Casts and Still Life—Studies in Realistic and Decorative treatment. Introduction of problems particularly adaptable to different students' needs. Stress is placed on various types of treatment technique.

Prerequisite: 311.

Winter Quarter—Credit, 3(0-6).

313. **COLOR.** This course aims to give a working knowledge of color as to its use and enjoyment, color associations and significance, harmonies and contrasts, complementary and analogous colors, still life painting and simple landscapes in color, realistic and decorative treatment, medium water color.

Prerequisites: 311 and 312.

Spring Quarter—Credit, 30-6).

314. **COMPOSITION.** Study of simple arrangement of lines, spaces, dark and light, balance, rhythm, subordination, transition, unity, values. Principles involved in pictorial composition are studied with definite application to Commercial Art.

315. COMPOSITION. Continuation of 314. Harmony building in dark and light, spotting, two and three values, back-ground, accessories, sketches from nature and from memory. More than three values. Problems in harmony of color balance line and rhythm.

Prerequisite: 314.

Winter Quarter—Credit, 3(0-6).

316. COMPOSITION. Creating the picture; development of self-expression through picture making, figure composition, interiors and exteriors, grouping, original settings. Illustrating the story. A wide range of subjects are given to stimulate the imagination.

Prerequisites: 314 and 315.

Spring Quarter—Credit, 3(0-6).

317, 318, 319. PUBLIC SCHOOL ART. Fundamentals of Art teaching in the public schools, such topics as object drawing, simple landscapes, posters, design color, illustration, animal and figure drawing adaptable to the grades are studied through special problems. Special attention is given to methods of presentation, blackboard drawing.

Summer Quarter—Credit, 3(0-6).

320. PERSPECTIVE. Series of problems presenting principles of Perspective as applied in freehand drawing of objects—interiors and exteriors—parallel and angular.

Winter Quarter—Credit, $\frac{1}{2}(0-1)$.

321. COMMERCIAL ART. Study of the utilization of Art and Art principles in industry. Art in advertising is studied through various types of advertising design. Lettering, headings, drawings in black and white and one and two colors, stippling. Stress is placed on the development of a good pen and ink technique, also pencil and wash.

Prerequisites: 311, 312 and 313.

Fall Quarter—Credit, 3(1-5).

322. COMMERCIAL ART. Layouts, exercises in the making of border designs, book covers, magazines, calendars, postcards, drawing from photographs, enlarging, lettering, exercises in the use of showcard color as applied in the development of the poster; other mediums, tempera, pastel crayons.

Prerequisite: 321.

Winter Quarter—Credit, 3(0-6).

323. COMMERCIAL ART. Advanced problems in lettering poster work. Art advertising in general. Best black and white illustrations are studied and reproduced. Study of reproductive processes.

Considerable work in figure drawing is included in this course; medium water color, wash, pen and ink and oil.

Prerequisites: 321 and 322.

Spring Quarter—Credit, 3(0-6).

324. HISTORY. Ancient architectural history from the prehistoric to the fall of the Roman Empire.

Fall Quarter—Credit, 5(5-0).

325. HISTORY. Mediaeval Architectural History. A continuation of 324.

Prerequisite: 324.

Winter Quarter—Credit, 5(5-0).

326. HISTORY. Renaissance and Modern Architectural History. A continuation of 325.

Prerequisite: 325.

Spring Quarter—Credit, 5(5-0).

ART APPRECIATION. Note: It is the aim of this course to acquaint the student with art principles, some knowledge of which is essential to the appreciation of Art products, further to establish a greater interest in both the fine and applied Arts and lay a foundation for a better criteria of taste and increased enjoyment of beauty.

The principal works of representative artists of various schools are discussed and analyzed. Special attention is given to the works of the "Old Masters." This course is open to all college students.

327, 328, 329. ART APPRECIATION. Elements of beauty, broad interpretations of Art, Fine Arts, Useful Arts, Genesis of Art, general significance and uses of Art, creative impulse, pure Arts, representative Arts, Egyptian Art, Hellenic Art during the Periclean Alexandrian Periods, Early Christian Art, Masters of the Italian Renaissance, analysis and comparisons.

Fall, Winter and Spring Quarters—Credits, 1(1-0).

331. HISTORY OF ORNAMENT. Study and copy of the best examples of Historic ornament, Egyptian, Greek Ornament, Early Christian, Byzantine, French and English Gothic.

Winter Quarter, 1(1-0).

337, 338, 339. ART APPRECIATION. Spanish Art during the 15th and 16th centuries; Velasquez, Murillo, Franz Hals, Rembrandt, Rubens Art in England. France and America during the 17th,

15th and 19th centuries, Art Epochs and their leaders through the 19th century.

Prerequisites: 327, 328 and 329.

Fall, Winter and Spring Quarters—Credit, 1(1-0).

342, 343. **LIFE DRAWING.** Study of the Human Figure in Art; Art Anatomy, Action Portrait and Full Length Drawing from life. Special attention is given to the study of the figure in action.

Prerequisites: 311, 312, 313.

Fall and Winter Quarters—Credits, 3(0-6).

347, 348. **HISTORY OF AMERICAN ART CRAFTS** during the colonial period; Silversmiths, Adam Bros., Duncan Phyfe, Chippendale, Sheraton. Beginning of painting in America; West, Copley, Stuart, The Hudson River School, Wyant, Innes, Homer, LaFaror, Whistler, Chase, Sarocat, Tanner. Beginning of sculpture in America, Wright, Powers, Goodough, Ward, Volk, French, Frazier, Taft, Ruckstuhl, St. Gaudons.

Fall and Winter Quarters—Credit, 1(1-0).

BIOLOGICAL SCIENCES

BACTERIOLOGY

121. GENERAL BACTERIOLOGY. This is a course in the preparation of the usual culture media and the study of the morphological and biological characteristics of typical bacteria. A study of the relation of bacteria to health of man, animals and plants.

Prerequisite: General Biology or equivalent.

Winter Quarter—Credit, 5(3-4).

131. ADVANCED BACTERIOLOGY. A continuation of course 121.

Prerequisite: General Bacteriology 121.

Spring Quarter—Credit, 5(3-4).

132. DAIRY BACTERIOLOGY. This course treats of bacteria in milk and its products, also the changes, mode of entry and sources of bacteria.

Prerequisite: General Bacteriology 121.

Fall Quarter—Credit, 5(3-4).

133. SOIL BACTERIOLOGY. A course dealing with the important biological processes, the relation of soil biological activity to the mineral, sulphur, and nitrogen cycles and also decomposition of organic products, nutrient agars, etc.

Prerequisites: Chemistry 111 and Bacteriology 121.

Spring Quarter—Credit, 3(2-2).

141. PATHOGENIC BACTERIOLOGY. This course purposes to give to the student a practical familiarity with most of the pathogenic micro-organisms. Special attention will be paid to the morphology, cultural characteristics and pathogenicity.

Prerequisite: Bacteriology 121.

Winter Quarter—Credit, 4(2-4).

ZOOLOGY

111. GENERAL ZOOLOGY. This course will deal with the morphology, physiology, and taxonomy of the essential types of organic life in the animal kingdom. The characteristic differences in the development from protozoa through metozoa will be emphasized. Discussion of the various theories advanced in an attempt to explain evolution. Laboratory work will supplement the lectures, and class discussions.

Fall Quarter—Credit, 4(3-2).

121. COMPARATIVE ANATOMY AND PHYSIOLOGY. The lectures on descriptive anatomy will cover the fundamental points from the preparatory point of view and will be illustrated by drawings, plates, models, the skeleton and dissection. A special consideration will be given to the various phases of anatomy with stress placed upon osteology, myology, neurology and splanchnology. One-half of the quarter will be devoted to the study of Anatomy. The course in Physiology comprises demonstrations, lectures, recitation and experimental work. A study of the functions, organs and systems of organs will be duly emphasized. The arrangement of courses is as follows: Physiology of Muscle and Nerve; Physiology of the Blood; Physiology of Digestion, Secretion and Nutrition; Physiology of the Integumentary System.

Winter Quarter—Credit, 3(2-2).

122. COMMUNITY HYGIENE. This course will deal with the various sanitary measures employed today in reducing to a minimum the activities of pathogenic micro-organisms. An effort will be made to develop wholesome habits and attitudes, as well as to impart knowledge of how to prevent infection.

Winter Quarter—Credit, 3(3-0).

131. ECONOMIC ENTOMOLOGY, DISEASE AND PESTS. The identification, life history, habits and methods of controlling insects of economic importance to the farm and home. Laboratory work will also include identification, collecting, mounting and preserving insects studied. The important plant diseases which affect the crop plants of the south. A study of the symptoms exhibited by the host plant, the casual organism, and the control measures.

Prerequisites: Zoology 112, Botany 111, Chemistry 111a, 112a, Agron. 111, 112 (Agron. 131 and 132 recommended).

Spring Quarter—Credit, 3(2-2).

132. HISTOLOGY. This course will consist of lectures upon normal cell tissues and organs of the body of animals. The laboratory work will consist of demonstrations by the instructor, practical laboratory technique and the microscopic study of normal cells and tissues.

Winter Quarter—Credit, 4(3-2).

133. APICULTURE. A study of the essentials of bee-keeping, introducing the students to conditions applicable to North Carolina.

Spring Quarter—Credit, 3(2-2).

134. **GENETICS AND EVOLUTION.** An introduction to the study of variation, selection and inheritance in animals. Human heredity will be considered.

Fall Quarter—Credit, 3(3-0).

BOTANY

111. **GENERAL BOTANY.** The course is designed for two types of students (Agricultural and General Science). It is intended to give the fundamental facts, functions and principles of plant life. The laboratory includes a study of forms, structures, and methods of reproduction of representatives of the various groups of plants with some attention to general life processes in higher plants and its relation to scientific agriculture.

Fall Quarter—Credit, 4(3-2).

112. **ADVANCED BOTANY.** (Formerly Bot. 121). A continuation of course 111.

Prerequisite: Botany 111.

Spring Quarter—Credit, 3(2-2).

121. **PLANT PHYSIOLOGY.** (Formerly Bot. 122). The plant is considered from the standpoint of activities; absorption, and transportation of raw materials, manufacture, storage of food, growth and movement in response to stimuli.

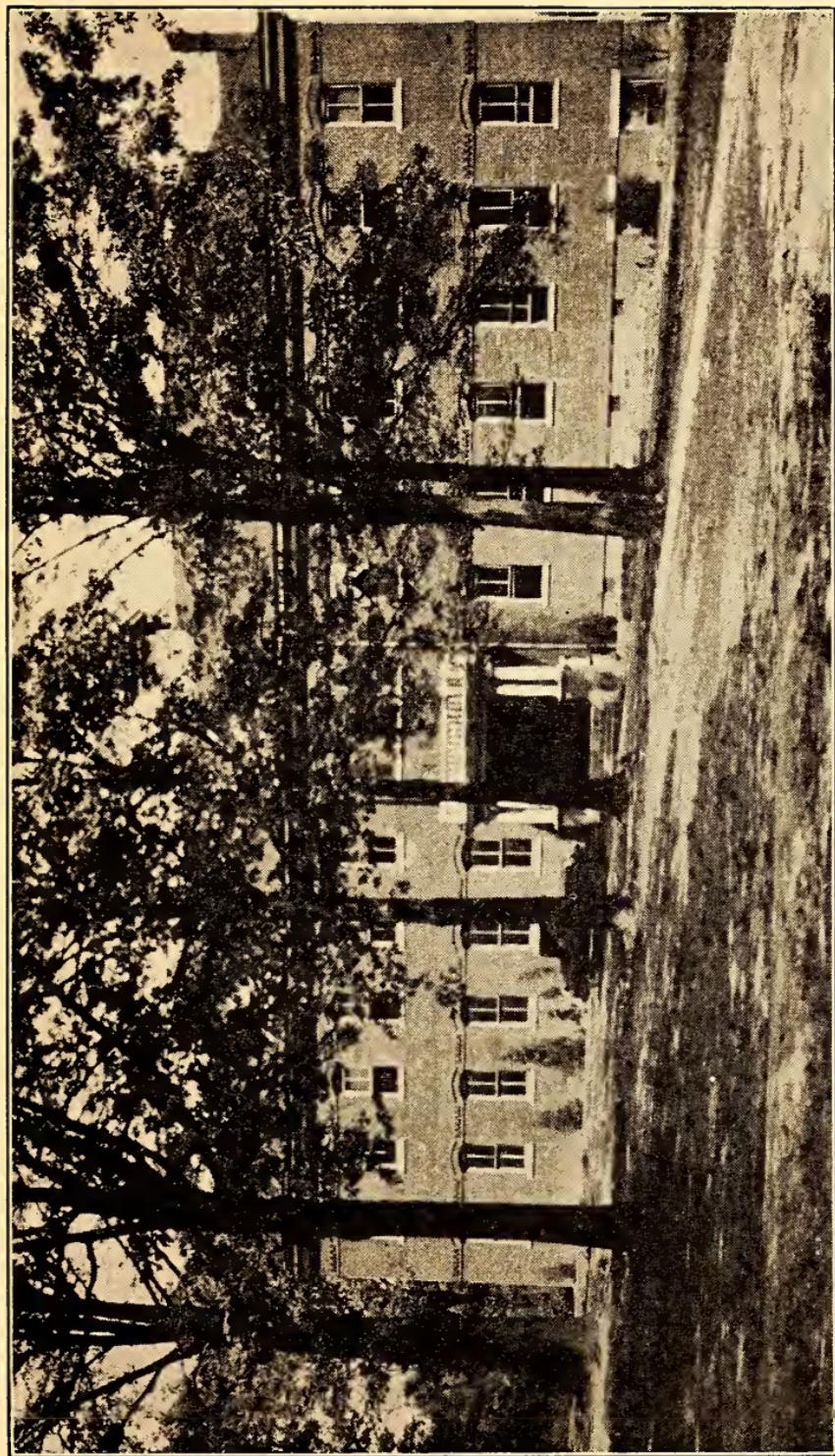
Spring Quarter—Credit, 3(2-2).

141. **SYSTEMATIC BOTANY.** A course intended to give the student some definite notions in regard to plant groups and their relationships. The structure classification and identification of flowering plants of North Carolina.

Prerequisites: Courses 111 and 121.

Spring Quarter—Credit, 3(2-2).

MECHANICAL AND INDUSTRIAL BUILDING



BUSINESS ADMINISTRATION AND COMMERCIAL EDUCATION

BUSINESS ADMINISTRATION COURSES

The purpose of the curriculum in Business Administration is to give a broad foundation to young men and women who propose to enter business by providing thorough training in approved business methods and practice, in the principles underlying the economic organization of modern society, and in the habit of clear thinking.

This course of study is open to juniors and seniors who have taken their Freshman and Sophomore work in the Science College or the equivalent.

COMMERCIAL EDUCATION

This curriculum aims to prepare young men and young women for important positions in the commercial world and to prepare teachers of commercial subjects in high schools and other institutions. There is an increasing demand for those who have had training in college courses such as are contained in this curriculum.

Students electing this course must have a practical knowledge of shorthand and typewriting by the end of their sophomore year. If the student has not acquired this preliminary training in shorthand and typewriting prior to entering college he may elect it along with his freshman and sophomore work.

DESCRIPTION OF COURSES

231. PRINCIPLES OF BUSINESS (Formerly Economics 233). This course is designed to make the student acquainted with the whole field of business. Principles of Business offers a thorough background in the fundamentals of business organizations, management and finance. Each department of business—accounting, selling, credit, banking and forecasting—is concisely, yet comprehensively, treated.

Students taking this course are expected to develop an original problem based upon community research. This work is carried on in order that the student may become familiar with the conditions he will find in the business world.

Principles of Business is required of all students majoring in the Department of Business Administration and those taking Secretarial Science.

Fall Quarter—Credit, 5(5-0).

232. ACCOUNTING FUNDAMENTALS (Formerly Economics 234). The fundamental principles of accounting including a review of book-keeping principles as well as consideration of the following divisions: Cash discounts, accrued assets and liabilities, statements, partnership, controlling accounts and inventories.

Required of Business Administration students.

Prerequisites: Secretarial Science 211 or B. A. 231.

Winter Quarter—Credit, 5(5-0).

233. ACCOUNTING (Formerly Economics 235, 236). This course presents the underlying principles of accounting as it is practiced in the business world. It deals chiefly with corporation accounting and accounting systems. This is followed by a discussion of the principles underlying accounting valuation and interpretation. The uses to which accounting data are to be put are emphasized at every step.

Prerequisite: B. A. 232.

Spring Quarter—Credit, 5(5-0).

234. COMMERCIAL LAW (Formerly Economics 237). The course in Commercial Law is made to cover the whole school year and is divided into three quarters as follows: General Law, Contracts, Negotiable Instruments, Guaranty and Surety.

Fall Quarter—Credit, 3(3-0).

235. COMMERCIAL LAW (Formerly Economics 238). Sales of personal property, bailments, common carriers, agency, master and servant and partnership.

Winter Quarter—Credit, 3(3-0).

236. COMMERCIAL LAW (Formerly Economics 239). Corporations, insurance, wills, estates in land, landlord and tenant.

Spring Quarter—Credit, 3(3-0).

237. PRINCIPLES OF SALESMANSHIP (Formerly Economics 247). This course is based upon actual experience of men successful in the field of salesmanship. It develops the subject from sound economic, philosophical and psychological points of view. Economics of salesmanship are presented so that the student may see where the work performed is justifiable and necessary in the economic regime. The course includes psychology so that the student may more readily adjust himself to actual sales conditions and learn why some men and ideas succeed while others fail.

Fall Quarter—Credit, 5(5-0).

238. PRINCIPLES OF ADVERTISING (Formerly Economics 248). This course gives a clear analysis of modern advertising in all its phases. Each step in the conception, design and production of the finished

advertisement is explained. The operations of various departments in a modern advertising office are discussed. Students desiring knowledge of the greatest problem, the problem of creating new wants and needs of the modern world, should take this course.

Winter Quarter—Credit, 5(5-0).

239. BUSINESS CORRESPONDENCE (Formerly Economics 241). This course makes a thorough and practical analysis of all forms of business letters and gives constructive information on how to write letters that convince, whether they be sales letters, follow-up letters, form letters, complaint, collection or application letters. This course is required of all students in Business Administration and Secretarial Science.

Spring Quarter—Credit, 5(5-0).

241. COST ACCOUNTING (Formerly Economics 255). This course is a study of the elements and principles of cost accounting. Emphasis is laid on accounts as a means of administrative control and economy of production. The theory of cost accounting and its relation to general accounting, to cost in general, to stock records and to methods of establishing the basis of cost are among the fundamentals considered in this course.

Prerequisites: 232, 233.

Fall Quarter—Credit, 5(5-0).

242. ACCOUNTING SYSTEMS (Formerly Economics 258). This course deals with the mechanical operation of a business organization, and the principles underlying the development and control of the account records involving the ways and means of handling cash, inventories, purchases and sales.

Special attention is given to systems of insurance companies, banks, building and loan associations, municipalities, railroads, etc. This course is suited for those who hope to enter the accounting field.

Prerequisites: 232, 233, 241.

Winter Quarter—Credit, 5(5-0).

243. AUDITING (Formerly Economics 244). This course is given to those who have had a good background in accounting fundamentals. Some of the points covered are: How to begin an audit, what to do during an audit, and how to end an audit. Much attention is given to the application of the principles through laboratory work.

Prerequisites: B. A. 232, 233, 241, 242.

Spring Quarter—Credit, 5(4-2).

244. PRINCIPLES OF MARKETING (Formerly Economics 253). In this course the following points are analyzed: The marketing of

farm products, manufactured goods and raw materials, the position and function of various types of middle men, insurance, transportation and storage. Much consideration is given to the selection of markets through market analysis. The course concludes with serious discussions of the popular proposals to eliminate middlemen, the nature and function of public markets, the ideals of co-operative marketing, and advantages and disadvantages of governmental participation in marketing activities.

Fall Quarter—Credit, 5(5-0).

245. **MARKETING FARM PRODUCTS** (Formerly Economics 263). This course covers the fundamentals of the science of marketing as it applies to farm products.

Winter Quarter—Credit, 5(5-0).

246. **DOMESTIC AND FOREIGN TRADE** (Formerly Economics 259). In addition to making a careful study of shipping practices this course makes an excellent treatment of the financing of foreign trade, including legislation enacted to stimulate export commerce.

Spring Quarter—Credit, 5(5-0).

247. **BUSINESS FINANCE** (Formerly Economics 245). This course is a survey of the financial problems which confront the manager of a small or medium size trading or manufacturing company. Business finance covers step by step, the many financial stages which arise in the conception, promotion, organization and expansion of a commercial enterprise.

Fall Quarter—Credit, 5(5-0).

248. **CORPORATION FINANCE** (Formerly Economics 251). The method used by corporations in organization and finance are thoroughly dealt with in this course. That part of the course which deals with corporation is concerned chiefly with the legal aspects of corporation to the state. Under finance, the points considered deal with promotion, financial plans, stockholders' rights and the whole field of corporation activity in its relations to finance and banks.

Winter Quarter—Credit, 5(5-0).

249. **INVESTMENTS** (Formerly Economics 246). Investments is a most practical course offering concise, comprehensive and up-to-date information on the subject. An important part of the course deals with listed and unlisted securities. Students desiring information on the most fertile field in the business world today are advised to take this course.

Spring Quarter—Credit, 5(5-0).

251. **BUSINESS MANAGEMENT** (Formerly Economics 243). Management covers the fundamentals of industrial organization and opera-

tion and helps the student to gain that basic knowledge of business which should be part of the equipment of every business man.

Fall Quarter—Credit, 5(5-0).

252. **OFFICE MANAGEMENT.** Office management covers the principles and methods employed in departmental and centralized offices. Special attention is given to office lay-out, office systems, equipment, selecting workers and general office services.

Winter Quarter—Credit, 5(5-0).

253. **PERSONNEL ADMINISTRATION** (Formerly Economics 257). This is a comprehensive course dealing with the principles and practices in the administration of employees of commercial and industrial establishments. The course is very practical, giving the student a view of personnel as the business man sees it.

Spring Quarter—Credit, 5(5-0).

254. **ELEMENTS OF STATISTICAL METHOD** (Formerly Economics 267). A course intended to acquaint students with the elementary principles of statistics. The course and collection of data, the nature of statistical units; the properties and appropriate use of averages; methods of comparison; the tabular and graphic presentation of statistical information necessary to the formulation and execution of business and economic problems will be had through use of appropriate data.

Fall Quarter—Credit, 4(2-4).

255. **SALES ADMINISTRATION** (Formerly Economics 252). A study of the principles of sale organizations and their methods in management, administration and other functions related to the hiring, training and remunerating salesmen, building up sales morale co-ordination between sales department and other departments of the business are the main points covered in this course.

Winter Quarter—Credit, 5(5-0).

256. **INSURANCE** (Formerly Economics 256.) This course is a survey in a general way of the whole field of insurance. It deals with the nature and statistical basis of different kinds of insurance as: Property insurance, straight life, endowment, accident, industrial, old age, fire, livestock, etc. The function of publicity and the needs for educating the public in the principles and services of insurance receives much attention.

Spring Quarter—Credit, 5(5-0).

257. **PRINCIPLES OF REAL ESTATE** (Formerly Economics 249). This course deals with the problems of real estate as follows: Real estate as a profession, classes of property—suburban, apartment,

industrial, farm and resort—rentals, leasing, the work of the broker, property management and financing.

Fall Quarter—Credit, 5(5-0).

258. **BUSINESS FORECASTING** (Formerly Economics 254). This course deals with the practical fields of forecasting and is illustrated by examples in the following fields: Agricultural forecasting, the forces of business cycles, why business conditions change.

Winter Quarter—Credit, 5(5-0).

259. **CREDIT AND COLLECTIONS** (Formerly Economics 261). The principles and problems of credit, the organization of the credit department, how these forces affect the concern as a whole, analysis of credit information and the legal aids to credit management are the chief points considered in this course.

Spring Quarter—Credit, 5(5-0).

CHEMISTRY

111. **GENERAL CHEMISTRY.** A course covering the fundamental principles of chemistry, the properties, reactions, and uses of the various metallic elements and their compounds. Lectures, Demonstration, and Laboratory.

Fall Quarter—Credit, 5(3-4).

112. **GENERAL CHEMISTRY.** A completion course in general chemistry, with a detailed study of the metals and their compounds. Lectures, Demonstration, Laboratory.

Prerequisite: Chemistry 111.

Winter Quarter—Credit, 5(3-4).

113. **QUALITATIVE ANALYSIS.** This course is an intensive course dealing with the fundamental principles of analysis. It develops the power for the student to form decisions based upon experimental results. Preliminary experiments are introduced to illustrate chemical principles and to give practice in equation writing. The students are required to analyze unknown products, slags, and alloys.

Prerequisites: Chem. 111, 112.

Spring Quarter—Credit, 5(2-6).

122. **ORGANIC CHEMISTRY.** A course dealing with the chemistry of the carbon compounds. Special emphasis is laid upon the relationship existing between the various groups. Upon the application of fundamental physico-chemical principles to the study of such com-

pounds, and upon methods of organic synthesis. Lectures and Laboratory.

Prerequisites: Chem. 111, 112, 113.

Fall Quarter—Credit, 6(3-6).

123. ORGANIC CHEMISTRY LECTURES. A continuation of Chemistry 122, covering such compounds as the ring structure of aromatic compounds. This course is indispensable to students undertaking the study of Agriculture, Medicine, and Drugs. Lectures and Laboratory.

Prerequisite: Chem. 122.

Winter Quarter—Credit, 6(3-6).

131. QUANTITATIVE ANALYSIS. A course dealing with Gravimetric Methods of Analysis. Special emphasis is laid upon the physico-chemical principles upon which the success of the determination depends.

Prerequisite: Chem. 113.

Fall Quarter—Credit, 5(2-6).

132. QUANTITATIVE ANALYSIS. A continuation of Chemistry 131, dealing with Volumetric Methods of Analysis. Lectures and Laboratory.

Prerequisite: Chem. 131.

Winter Quarter—Credit, 5(2-6).

151. ADVANCED INORGANIC CHEMISTRY.

Prerequisite: Acceptable courses in general chemistry and qualitative and quantitative analysis.

Any Quarter. Hours and credit to be arranged.

143. PHYSICAL CHEMISTRY LECTURES. Three lectures each week.

Prerequisite: Organic Chemistry, and acceptable course in physical training.

Fall, Winter and Spring Quarters—Credit, 6(3-6).

145. INDUSTRIAL CHEMISTRY LECTURES. Three lectures or recitations a week.

Prerequisite: Acceptable courses in Inorganic and Organic Chemistry.

Spring Quarter—Credit, 3(3-0).

147. COLLOID CHEMISTRY. Three lectures or recitations each week.

Prerequisite: Acceptable courses in Physical Chemistry.

Fall Quarter—Credit, 3(3-0).

149. ELECTRO-CHEMISTRY. Lectures and Laboratory. Credit and hours to be arranged.

Prerequisites: Acceptable courses in Organic Chemistry and Physical Chemistry.

CONTRACTING AND BUILDING

311. **MATERIALS OF CONSTRUCTION.** Recitation and laboratory. A brief study of the types of material used in building and construction work. Methods of purchasing and commercial prices. A close insight into manufacturing is obtained through visits to several building materials manufacturing companies in the vicinity of Greensboro.

Fall Quarter—Credit, 3(3-0).

312. **PLAN READING.** Lecture recitation and laboratory. A complete course in the correct interpretation of architect's plans and specifications. Full size plans of brick, frame, and reinforced concrete buildings are used throughout the course. Visits to the several buildings shown on the plans give the student opportunity to check on the accuracy of the construction.

Winter Quarter—Credit, 3(3-2).

313. **PLAN READING.** Lecture, recitation and laboratory. Correct interpretation of architects' plans and specifications. A continuation of 312.

Spring Quarter—Credit, 3(2-2).

314. **CARPENTRY.** Recitation and laboratory. A study of the use and care of carpenters' tools. Timber and lumber for building purposes; general framing.

Fall Quarter—Credit, 4(2-4).

315. **CARPENTRY.** Recitation and laboratory. Construction and application of interior finish; millwork, moulding, etc.

Winter Quarter—Credit, 5(2-6).

316. **CARPENTRY.** Recitation and laboratory. General framing, joinery, exterior covering, and finish. Construction methods, concrete forms.

Spring Quarter—Credit, 5(2-6).

321. **MASONRY.** Lectures and laboratory. Basic principles of brick laying. Practice in construction of piers, straight walls, sills for various openings.

Fall Quarter—Credit, 5(2-6).

322. **MASONRY.** Lectures and laboratory. A continuation of 7.421. Practice in constructing flues, single chimneys, arches, walls.

Winter Quarter—Credit, 5(2-6).

323. **MASONRY.** Lectures and Laboratory. A continuation of course 7.422. Practice in construction of various types of low rock walls, hollow tile, face brick, and veneer construction.
Spring Quarter—Credit, 5(2-6).

324. **FOUNDATIONS.** Preparation of building site. Methods of excavating. Estimating excavations. Methods of mixing and placing concrete; proportion of ingredients; concrete floors and walks. Making unit cost and quantity estimates from architects' plans and specifications.
Fall Quarter—Credit, 3(3-0).

325. **ELECTRIC WIRING.** Recitation and laboratory. Theory and practice on the installation of electrical service. Electrical wiring, knob and tube conduit work. Estimating.
Winter Quarter—Credit, 4(2-4).

326. **LATHING AND STUCCO PLASTERING.** Recitation and laboratory. Application of wood and metal lath. Plastering and stucco work. Types of plaster. Estimating from blue prints. Sample problems.
Spring Quarter—Credit, 5(2-6).

331. **PLUMBING AND HEATING.** Recitation and laboratory. Lectures and recitations on the installation of plumbing and heating systems. City requirements. Methods of estimating.
Fall Quarter—Credit, 5(3-4).

332. **CARPENTRY.** Recitation and laboratory. The steel square and its application in roof framing. Laying out commons, hips, valleys, and all types of jack rafters by the square root method; the length per foot of run method; the method of measuring across the square; applying the square method; and through the use of various rafter tables. Figuring roof areas.
Fall Quarter—Credit, 5(2-6).

333. **CARPENTRY.** Recitation and laboratory. Stair building definition and terms. Designing steps; enclosed stairs; closed stringer stair; open stringer stair with bull nose step; quarter stair with windows.
Winter Quarter—Credit, 5(2-6).

334. **CARPENTRY.** Recitation and laboratory. A continuation of stair building. Estimating carpentry and millwork. Unit cost estimates.
Spring Quarter—Credit, 5(2-6).

335. **MASONRY.** Recitation and laboratory. Veneer construction. Brick mantel and chimney construction. Line practice.
Winter Quarter—Credit, 4(2-6).

336. **MASONRY.** Recitation and laboratory. Masonry continued. Classification of brick. Estimating tables on labor and material required. Unit cost and quantity estimating. The application of the Duodecimal System in estimating.

Spring Quarter—Credit, 3(3-2).

341. **REINFORCED CONCRETE.** Lecture and laboratory. Handling steel. Taking off quantities from architect's plans and specifications. Unit costs. Sample problems.

Fall Quarter—Credit, 4(2-4).

342. **PAINTING AND DECORATING.** Lecture and laboratory. Types of painting materials. Preparation of surfaces. Interior work. Covering capacities. Quantity and unit cost estimates. Sample problems in estimating.

Winter Quarter—Credit, 3(1-4).

343. **FIREPROOF CONSTRUCTION.** Lecture and laboratory. Types of material used. Floor construction. Tile arches and partitions. Fireproofing of beams and girders, columns. Taking off quantities. Estimates of labor required. Sample problems in estimating.

Fall Quarter—Credit, 3(2-2).

344. **STEEL CONSTRUCTION.** Lecture and laboratory. Types of steel units. Bending forms. Shop drawings. Erection. Taking off quantities. Estimating problems.

Fall Quarter—Credit, 3(2-2).

345. **SHEET METAL WORK.** Lecture and laboratory. Sheet metal roofing. Metal ceilings. Method of estimating cornices, gutters, ventilators, sky lights, ceiling, etc. Sample problems in estimating.

Winter Quarter—Credit, 3(2-2).

346. **BUILDING SUPERINTENDENCE.** Technical knowledge, methods, personality, handling men, management, routing work, job records.

Fall Quarter—Credit, 3(3-0).

347. **BUILDING SUPERINTENDENCE.** A continuation of course 346. Prerequisite: 346.

Winter Quarter—Credit, 3(3-0).

348. **BUILDING SUPERINTENDENCE.** A continuance of course 347. The spring term of the course in Builders Accounting, and the spring term of the course in Building Superintendence will be on a co-operative basis in conjunction with building contractors in the State of North Carolina. The student will spend the entire spring term on construction jobs with contractors and builders selected by

the college. The student is required to make progress reports to the college at the end of each week.

Spring Quarter—Credit, 15(0-30).

349. **BUILDERS COST ACCOUNTING.** Bookkeeping and accounting systems for contractors. The importance of costs and how to keep them. Time keeping systems. Miscellaneous forms for contractors.

Winter Quarter—Credit, 3(3-0).

3410. **BUILDERS COST ACCOUNTING.** A continuation of course 349, with practical work.

Spring Quarter—Credit, 2(0-4).

ECONOMICS

231. **PRINCIPLES OF ECONOMICS.** This course begins with a study of such as: The nature and scope of economics, characteristics of the present society, and ends with a consideration of the economic development of the United States.

Fall Quarter—Credit, 5(5-0).

232. **ECONOMIC PROBLEMS.** This course is concerned with the important economic problems found in our productive and consumptive processes, commerce, market prices, variations and adjustments in business, forms of businesses organization, labor, capital banking, public ownership and other related topics.

Winter Quarter—Credit, 5(5-0).

242. **MONEY AND CREDIT.** This course is a critical study of the theories and principles governing money, credit, and price levels. It is concerned with monetary standards, inflation and deflation, index numbers, international trade and purchasing power.

Spring Quarter—Credit, 5(5-0).

262. **PUBLIC FINANCE.** This course deals with a thorough discussion of the following: Public expenditures, local, state and national forms of taxes, customs and fees whereby revenue is raised. The management of local and national debts are also points analyzed in this course.

Fall Quarter—Credit, 5(5-0).

271. **AGRICULTURAL ECONOMICS** A general course taking up economics and social problems of agriculture; importance of agriculture in the United States, demand and supply; labor, machinery, equipment, rural credits, transportation problems, price fluctuations, speculation, land tenure, rent and systems of renting, county agent and farm bureau, State aid, taxation, protective tariff, foreign

competition, principles of marketing and the world's food supply.
Fall Quarter—Credit, 5(5-0).

245. **SEMINAR.** Open only to seniors with a major in economics.
Credit, 3(0-6).

267. **THE PROBLEM OF UNEMPLOYMENT.** The problem of unemployment, various plans for its prevention, unemployment insurance, industrial accidents, rules of employees' liability, compensation legislation, and its administration; sickness and the movement for health insurance; old age and dependence, contributory insurance and pension plans.

Class room discussion supplemented with lectures by public officials concerned in the administration of labor laws.

Spring Quarter—Credit, 5(5-0).

264. **LABOR LEGISLATION.** This course is concerned (1) with the problems of labor and (2) with labor legislation, both federal and state. The subjects of labor contracts, the minimum wage, child labor, legislation and court decision, safety and health, women in industry, etc., are discussed fully.

Fall Quarter—Credit, 5(5-0).

EDUCATION

211. **ORIENTATION.** This course is designed to give the student an insight into college life. The course consists of lectures and discussions relating to the problems of the college student. Suggestions are given as to methods of studying, note taking, extra curricula activities, use of the library, choosing courses of study to meet the requirements of various vocations, etc.

Fall Quarter—Credit, 1(1-0).

212. **OCCUPATIONS.** This course aims to help the individual student find his place in the world of occupations. An effort is made to broaden the student's outlook before he becomes a part of the occupational world. A study is made of the various industries and occupations: Government service, commercial occupations, earth service, engineering, etc. Personal service and professions for social service, engineering, etc. Personal service and professions entertainment, dressmaking, tailoring, hotels and restaurant, musicians, artists, actors, etc. Special attention is given to the personal qualifications and opportunities for the various occupations.

Winter Quarter—Credit, 1(1-0).

213. **OCCUPATIONS.** This course is a continuation of 212.
Spring Quarter—Credit, 1(1-0).

221. **GENERAL PSYCHOLOGY.** An introduction to psychological terms, principles and facts. What psychology is and does. A study of reactions and tendencies to reaction; Native and Acquired Traits, Instincts, Emotions, Feelings, Sensation.

Fall Quarter—Credit, 4(4-0).

222. **GENERAL PSYCHOLOGY.** A continuation of psychology course 221, with a special study of the following: Attention, Intelligence, Learning and Habit Formation, Perception, Reasoning, Imagination, Will and Personality. Discussions and reports.

Winter Quarter—Credit, 4(4-0).

223. **HISTORY OF EDUCATION.** As an introduction to education: A short history underlying the principles and methods of education. Problems affecting the elementary and secondary schools will be given.

Spring Quarter—Credit, 5(5-0).

225. **PRINCIPLES AND PROBLEMS OF ELEMENTARY EDUCATION.** This course is devoted to a study of the fundamental principles of education as applied to the elementary school, the elementary school teacher; pupil and program, lectures, collateral reading, report.

Fall Quarter—Credit, 5(5-0). Not offered 1931-'32.

226. **THE JUNIOR HIGH SCHOOL.** This course covers such problems as the aims, functions, curricula of the junior high school; the teacher, pupil, and program. Lectures, discussions, collateral reading and reports.

Winter Quarter—Credit, 5(5-0). Not offered 1931-'32.

227. **METHODS OF ELEMENTARY SCHOOL TEACHING.** This course is concerned primarily with such problems as class control, motivation and interest in the elementary school, covering both primary and grammar grade divisions. Lectures, reading, research, experiments, and reports.

Fall or Summer Quarter—Credit, 5(5-0).

228. **SUPERVISION OF TEACHING.** This course aims to give the student a clear idea of the problem and program of supervision in both the high and elementary schools. Qualities of the good supervisor: tact, optimism, co-operation. Relation of supervisor to teacher, student, principal, superintendent and community. Lectures, discussions, reading, experiments, and reports.

Fall Quarter—Credit, 5(5-0).

231. **EDUCATIONAL PSYCHOLOGY.** This course is devoted to a study of native and acquired traits and capacities of children; the learning processs; individual differences; general laws and conditions of

learning; and the results of investigations relative to the progress of learning in the school subjects.

Prerequisites: Educ. 221 and 222.

Fall and Summer Quarter—Credit, 3(3-0).

232. **EDUCATIONAL PSYCHOLOGY.** This course is a continuation of Education 231. Such additional problems as Ideational Learning, Thinking and the Transfer of Training will be taken up. Each student will be required to make a study and report on the psychology of one of the school subjects.

Winter Quarter—Credit, 3(3-0).

233. **A COMPARATIVE STUDY OF SCHOOL SYSTEMS.** A Comparative Study of School Systems. Universal and local problems affecting the following countries: England, France, Germany, Australia, Canada, etc., will be given special attention.

Spring or Summer Quarter—Credit, 3(3-0).

234. **SCHOOL ADMINISTRATION.** A special course for elementary and high school principals. Required of all students preparing for administrative work.

Winter or Summer Quarter—Credit, 5(5-0).

235. **CURRICULUM CONSTRUCTION.** This course is concerned with a study of the aims, objectives and ideals of education, selection of educational material, standards and methods of evaluation, and organization, with special emphasis on the program of reorganization.

Fall Quarter—Credit, 3(3-0).

236. **TESTS AND MEASUREMENTS.** Principles of testing; aims and objectives; achievement tests; mentality tests; aptitude tests; teachers' marks; methods of content examination; use of tests. Required of all planning to teach.

Prerequisite: 232.

Spring Quarter—Credit, 5(5-0).

237. **PROBLEMS IN SECONDARY EDUCATION.** The scope and function of the High School and its relation to the elementary school and college; the high school pupil; high school curriculum; high school teacher; guidance; teaching loads; professional ethics; extra-curricular activities. Required of all who plan to teach.

Winter and Summer Quarter—Credit, 3(3-0).

238. **PROBLEMS IN SECONDARY EDUCATION.** This course is a continuation of Education 237.

Winter Quarter—Credit, 3(3-0).

239. **EDUCATIONAL SOCIOLOGY.** This course is concerned with a critical study of the movements and tendencies affecting our present social organization. Special emphasis will be given to the part which education plays in social expansion and growth.

Prerequisites: Education 222 and Sociology 231.
Spring Quarter—Credit, 3(3-0).

241. **APPLIED PSYCHOLOGY.** This course is devoted to a critical study of the principles of psychology as they relate to learning. Special attention will be given to such questions as the importance of ideals and attitudes in learning.

Prerequisites: Education 222 and 232.
Spring Quarter—Credit, 3(3-0).

242. **MATERIALS AND METHODS. PROBLEMS OF TEACHING.** A practical course in teaching that relates particularly to problems of technique. Especial attention will be given to such underlying problems of teaching as interest, effort, discipline, direct and indirect control subject matter.

Fall Quarter—Credit, 5(5-0).

243. **TEACHING OF ENGLISH.** This course is a study of the special problems which confront the teacher of English in the high school. Open only to seniors. Required of those planning to teach English.

Prerequisites: English 211, 212 and 223 or equivalent.
Winter Quarter—Credit, 3(3-0).

244. **THE TEACHING OF CHEMISTRY.** This course deals with the problems that confront the teacher of Chemistry in the high school. Special attention is given to such problems as the planning of laboratories, purchase of supplies, and subject matter of the high school course. Required of those planning to teach the subject.

Prerequisites: Acceptable courses in general analytical and organic chemistry.
Winter Quarter—Credit, 3(2-2).

245. **THE TEACHING OF HISTORY.** A course dealing with a study of the methods of teaching History in high school. Special attention will be given to such problems as the organization of material, class room equipment, etc. Open to seniors. Required of those planning to teach Social Sciences.

Prerequisite: Five quarters of European and American History.
Winter Quarter—Credit, 3(3-0).

246. **THE TEACHING OF MATHEMATICS.** A course which deals with the evaluation of subject matter, modes, methods, and objectives in

the teaching of Mathematics in the Junior and Senior high school. Required of those planning to teach the subject.

Prerequisite: Two quarters in Mathematics.
Winter Quarter—Credit, 3 (3-0).

247. **THE TEACHING OF FRENCH.** This course is devoted to a study of the problems and difficulties experienced in teaching Foreign Languages. Special attention is given to the matter of class room aids, equipment, etc. Required of those students planning to teach Language.

Prerequisite: Three quarters of College French.
Winter Quarter—Credit, 3 (3-0).

248. **THE TEACHING OF GERMAN.** A critical study of contemporary methods of teaching the Germanic languages. Required of those planning to teach German.

Prerequisite: Three quarters in German.
Credit, 3(3-0).

249. **THE TEACHING OF SCIENCE.** A study of the present methods of teaching such courses as Physics and General Science in the high school. Special attention will be given to the equipment of laboratory, etc. Required of those planning to teach in the field.

Prerequisite: Three quarters in the Natural Sciences.
Credit, 3(3-0).

250. **PROBLEMS OF THE COMMERCIAL TEACHER.** Organization, preparation and care of materials, followed by an analysis of the methods and procedure, standards and objectives of the teacher of commercial subjects in high school.

Winter Quarter—Credit, 3(3-0).

251. **OBSERVATION AND PRACTICE TEACHING.** All students planning to teach are required to spend at least thirty hours in observation and practice teaching in a secondary school.

Spring Quarter—Credit, 4(1-6).

271, 272, 273. **MATERIALS AND METHODS OF TEACHING VOCATIONAL AGRICULTURE.** The following topics are considered: The Smith-Hughes Act; the Agricultural curriculum; seasonal sequence of topics; lesson plans; supervised study; laboratory work; field trips; room and equipment; supervised practice; records; organizing and conducting short unit, part-time evening and all-day classes; conducting farm shop practice; making community surveys; making annual plans and program of work.

(This course will extend throughout the year in order that the student may get experience in all kinds of patterns.)

Fall, Winter and Spring Quarters—Credit, 3(3-0); 2(2-0); 1(1-0).

274, 275, 276. **OBSERVATION AND DIRECTED PRACTICE TEACHING IN VOCATIONAL AGRICULTURE.** This course is to be taken simultaneously with courses 271, 273. Students are expected to do directed teaching in approved schools. Trainee will have opportunity to meet, under natural conditions, as many situations as possible.

Prerequisite: All work below Senior year.

Fall, Winter and Spring Quarters—Credit, 2(0-4); 3(0-6); 1(0-2).

278. **EXTENSION SERVICE.** A study of the development of the Agricultural Extension Service in the United States, with special reference to the status of this service among the Negroes in the Southern States; also a study of the rules, regulations and special methods relative to this work in North Carolina.

Prerequisite: All work below Senior year.

Fall Quarter—Credit, 5(5-0).

279. **OBSERVATION AND DIRECTED PRACTICE IN EXTENSION SERVICE.** Student will be required to go on the field and under the direction of an agent to observe and practice some of the principles learned in course 278.

Fall or Winter Quarter—Credit, 5(0-10).

280. **SEMINAR.**

Any Quarter—Credit, 1(1-0).

331. **VOCATIONAL EDUCATION.** A study of the meaning and need of vocational education. Problems of vocations are discussed from the standpoint of the individual groups, and economic society as a whole.

Spring Quarter—Credit, 3(3-0).

332. **TRADE ANALYSIS.** This course gives the student a knowledge of organizing trades and industrial arts courses. Emphasis is put on the selection of a line of useful and practical projects and the grouping of these projects in the order of their learning difficulties.

Winter Quarter—Credit, 3(3-0).

333. **MATERIALS, EQUIPMENT AND SHOP RECORDS.** The problems of equipping and arranging trades and industrial arts shops, and

the care of materials, tools, safety first, and records, are discussed.
Winter Quarter—Credit, 3(3-0).

341. **VOCATIONAL GUIDANCE.** The problem of vocational guidance, its beginning, organization and administration in high schools. Special attention will be given to guidance in the Junior and Senior high schools as it relates to the work of Industrial Arts.
Fall Quarter—Credit, 3(3-0).

342. **ORGANIZATIONS OF INDUSTRIAL ARTS.** Industrial Arts, its development, present trend, content and methods, aims and objectives in the Junior high school.

Winter Quarter—Credit, 3(3-0).

343. **METHODS OF TEACHING SHOP AND RELATED SUBJECTS.** Fundamental factors in teaching, agencies of education, class room management, selection of problems and projects, job sheets and lesson plans.

Winter Quarter—Credit, 3(3-0).

344. **ORGANIZATION OF PART-TIME SCHOOLS AND CLASSES.** A study of the part-time and continuation schools and their relation to our educational system. Attention is given to the purpose, program, and organization of part-time education.

Fall Quarter—Credit, 3(3-0).

345. **OBSERVATION AND PRACTICE TEACHING.** Opportunity for observation and practice teaching will be provided. Trades and Industrial Arts teachers may acquire experience in lesson planning and teaching under the direction of the teacher-training.

Spring Quarter—Credit, 3(3-0).

ENGLISH LANGUAGE AND LITERATURE

211. **ENGLISH COMPOSITION.** (Required of all Freshmen.) Review of the principles of Grammar and Syntax, Punctuation, and Spelling. Frequent oral and written exercises, theme, and letter writing. Constant drill in the rudiments of English Composition.
Any Quarter—Credit, 5(5-0).

212. **ENGLISH COMPOSITION.** (Required of all Freshmen.) Analytical study of the principles of structure and style in the whole composition, the paragraph, and the sentence. Exposition and Argument; Descriptive and Narrative writing. Frequent themes and analysis of specimens of prose composition.
Any Quarter—Credit, 5(5-0).

213. **ENGLISH COMPOSITION.** (Required of all Freshmen who have failed in either 211 or 212.)
Spring Quarter—Credit, 0(5-0).

221. **AMERICAN LITERATURE.** Reading in American Literature from the beginning to the present time. Manifestations of Puritanism and incipient Romanticism as revealed in the works of representative authors.
An examination will be made of the more important phenomena of Romanticism that were developed by American writers during the nineteenth century. Lectures, assigned reading, reports on special topics, and the independent investigation of romantic and realistic tendencies in recent and contemporary literature.
Spring Quarter—Credit, 5(5-0).

222. **DEVELOPMENT OF ENGLISH LITERATURE IN OUTLINE.** (Required of all Sophomores.) Reading in English Literature from the beginnings to 1700. Study of the growth of ideas and institutions, of the types of literature, and of the great personalities who have contributed most to our literature. Lectures. Reports.
Fall Quarter—Credit, 5(5-0).

223. **DEVELOPMENT OF ENGLISH LITERATURE IN OUTLINE.** (Required of all Sophomores.) Continuation of 221. English Literature from 1700 to the twentieth century. Lectures. Reports.
Winter Quarter—Credit, 5(5-0).

225. **LITERATURE FOR ELEMENTARY SCHOOL.** This course is especially concerned with the problem of literature and reading in the

elementary school. Selection and classification of materials, methods of presentation, and reading; care and use of books, etc.

Summer Quarter—Credit, 5(5-0).

231. **JOURNALISM.** Theoretical and practical work in recognizing, gathering, and writing news. While primary attention is given to the development of journalistic technique, there is considerable drill on the fundamental principles of composition, and, in general, all written work is rewritten after detailed criticism by the instructor.

Fall Quarter—Credit, 5(5-0).

232. **PRINCIPLES AND PRACTICE OF PUBLIC SPEAKING.** The methods of securing the attention and maintaining the interest of an audience. Practice in the application of principles and methods to simple exposition and argumentation.

Fall Quarter—Credit, 3(3-0).

233. **DRAMATICS.** A course in acting, playwriting, and dramatic production, with some attention given to the history of the drama. The presentation of dramatic programs and selected plays required.

Fall Quarter—Credit, 5(5-0).

234. **SHAKESPEARE.** A detailed study of Macbeth, Henry IV, Part I, and King Lear. Richard II, Henry IV, Part II, Julius Caesar, and *All's Well that Ends Well* to be read outside of class. Shakespearean criticism, memory passages, and a report on special topic.

Spring Quarter—Credit, 5(5-0).

235. **CHAUCER.** Introduction to Middle English literature. Most of the Canterbury Tales will be read in class. Lectures; outside reading; reports.

Winter Quarter—Credit, 5(5-0).

236. **ARGUMENTATION AND DEBATING** (Formerly English 213). A specific, thorough study of the principles of Argumentation. Briefs on several questions are constructed, at least one complete argument on a carefully chosen question is required, and several informal arguments are written. Discussions, lectures, and class debates designed to emphasize the phrasing and analysis of the proposition, methods of refutation and platform decorum.

Fall Quarter—Credit, 5(5-0).

237. **THE AMERICAN NOVEL.** A study of the beginning and the development of the novel in America, with special emphasis on

the modern novel. Lectures, assigned reading, special reports both oral and written.

Prerequisite: English 221.

Summer Quarter—Credit, 3(3-0).

238. MILTON. A detailed study of Milton's English poems with special attention given to *Paradise Lost*. Also a study of his important prose. Lectures, assigned reading, memory passages, and a report on a special topic.

Spring Quarter—Credit, 3(3-0).

241. EIGHTEENTH CENTURY LITERATURE. Readings in the poetry and prose of Neo-Classicism and the Enlightenment. Lectures. Reports.

Fall Quarter—Credit, 5(5-0).

242. THE ROMANTIC ERA. The principles and ideas of Romanticism as expressed in the works of the principal English writers of poetry and prose from 1798 to 1823. Term report.

Winter Quarter—Credit, 5(5-0).

243. THE VICTORIAN ERA. Readings in the works of the principal English writers of the Victorian Age. Term Report.

Spring Quarter—Credit, 5(5-0).

244. ADVANCED COMPOSITION AND LITERATURE (Formerly English 241). Open to all upperclassmen and may be required of those Seniors who show a marked deficiency in English Composition. A review of Freshman English, but with some attention given to an appreciation of literature and of the principles of style proper.

Fall Quarter—Credit, 5(5-0).

FOREIGN LANGUAGE

FRENCH

211. ELEMENTARY FRENCH. French Grammar, translation and composition for beginners and students who do not present credit for two years of high school French. Not open to students who present two units of high school French.
Fall Quarter—Credit, 5(5-0).

212. FRENCH GRAMMAR. A continuation of French 211. Not open to students who present two units of high school French.
Winter Quarter—Credit, 5(5-0).

213. READING AND COMPOSITION. Oral and written composition supplemented by reading from standard authors.
Spring Quarter—Credit, 5(5-0).

214. ADVANCED FRENCH GRAMMAR. Advanced French Grammar and translation. This course is open to students who have passed in courses 211 and 212 or who have successfully done two years of high school French.
Fall Quarter—Credit, 5(5-0).

215. ADVANCED FRENCH. Rapid reading of modern French literature.
Winter Quarter—Credit, 5(5-0).

216. ADVANCED FRENCH. French prose and poetry. Reading, lectures and explanation of texts. This course is offered to give the student a general view of French literature from the seventeenth century to the present day.
Spring Quarter—Credit, 5(5-0).

221. ADVANCED FRENCH. Conversational French. Practice in writing and speaking French. Abstracts in French on both oral and written of works read outside of the class room. Introduction to systems of phonetics. Especially designed for those intending to teach the language.
Prerequisite: Three Quarters of College French.
Fall Quarter—Credit, 5(5-0).

222. ADVANCED FRENCH. A careful and complete review of the fundamental principles of French Grammar, with consideration

of difficult points of syntax, discussion of text books and methods. Primarily for those intending to teach the language.

Prerequisite: Three Quarters of College French.
Winter Quarter—Credit, 5(5-0).

223. **ADVANCED FRENCH.** Continuation of French 222.
Spring Quarter—Credit, 5(5-0).

231. **FRENCH LITERATURE.** A rapid survey of French literature from the beginning to the eighteenth century. Reading, translation, lectures, discussions and reports.
Fall Quarter—Credit, 5(5-0).

232. **EIGHTEENTH CENTURY LITERATURE.** The economic, social and literary aspects of France in eighteenth century, with special reference to the works of Diderot, Montesquieu, Voltaire and Rousseau. Reading and translations.
Winter Quarter—Credit, 5(5-0).

233. **CONTEMPORARY FRENCH CIVILIZATION.** Discussions, readings and reports in French on present day social, economic and political conditions in France.
Spring Quarter—Credit, 5(5-0).

245. **FRENCH SEMINAR.** Open, with approval of instructor, to Seniors with a major in French.
Credit, 3(0-6).

GERMAN

211. **GERMAN GRAMMAR.** Careful drill upon pronunciation. The memorization and frequent repetition of easy colloquial sentences. Drill upon the rudiments of grammar, that is, upon the inflection of the articles, of such nouns as belong to the language of everyday life, or adjectives, pronouns, weak verbs and the more usual strong verbs; also upon the use of the more common prepositions, the simple uses of the model auxiliaries, and the elementary rules of syntax and word-order.

Fall Quarter—Credit, 5(5-0).

212. **INTERMEDIATE GERMAN.** Abundant easy exercises designed not only to fix in the mind the form and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression.

Winter Quarter—Credit, 5(5-0).

213. **ADVANCED GERMAN.** The reading of graduated texts from a reader, with constant practice in translating into German easy

variation upon sentences selected from the reading lesson (the teacher giving the English), and in the reproduction from memory of sentences previously read.

Spring Quarter—Credit, 5(5-0).

221. **GERMAN CLASSICS.** Reading of modern prose, modern comedy, scientific selections, composition, grammar. Oral exercises. Open to students who have had two years of high school German, or one year of College German.

Fall Quarter—Credit, 5(5-0).

222. **ADVANCED GERMAN.** Reading from the more difficult standard modern authors.

Winter Quarter—Credit, 5(5-0).

223. **ADVANCED GERMAN.** A continuation of German 222.

Spring Quarter—Credit, 5(5-0).

231. **GERMAN LITERATURE.** A survey of the German authors including: Storm, Heyse, Keller, Schiller, Goethe, Heine, and Wagner. A masterpiece taken from one of the above will be read in class room.

Prerequisite: German 223.

Fall Quarter—Credit, 5(5-0).

232. **THE GERMAN NOVEL.** Lectures on the characteristics of the German Novellen. Romeo Und Julia Auf Dem Dorfe will be read in class.

Winter Quarter—Credit, 5(5-0).

233. **MODERN AUTHORS.** Rapid reading of stories and dramas written toward the end of the nineteenth century.

Spring Quarter—Credit, 5(5-0).

245. **SEMINAR.** German. Open only to Seniors majoring in German.

Credit, 3(0-6).

SPANISH

211. **ELEMENTARY SPANISH.** The Spanish Grammar. Drill in the use of forms, word order, and idioms. A thorough foundation will be emphasized. Students who fail to master the rudiments will not be permitted to take Spanish 212.

212. A continuation of 211 with special emphasis placed on the use of idioms.

213. **ADVANCED SPANISH.** Special use of the subjunctive, and preparation of the student for the spoken language.

221. **ORAL SPANISH.** An attempt will be made to drill students in the idioms of the spoken language.

222. **COMMERCIAL SPANISH.** Specially designed for students taking business administration.
Prerequisite: Spanish 213.

223. **SPANISH PROSE COMPOSITION.** Advanced work dealing with the use of every day idioms used in the Spanish *diarios*.

231. **DON QUIJOTE.** Readings in Cervante's satire on knighthood. Only Spanish will be spoken in class.

232. **CONTEMPORARY SPANISH LITERATURE.** A survey of the Latin-American authors taking cognizance of the following: Ruben Dario, Gutierrez Najera, Salvador Diaz Miron, Juan del Casal, and Jose Asuncion Silva. Only Spanish will be spoken.

233. **SEMINAR.** Research.

HISTORY

211. MODERN EUROPEAN HISTORY. This course begins with the decline of the Roman Empire and ends with a discussion of present day problems. It is general survey of the principal factors in the history of Western Europe. Economic, social, political, religious and intellectual movements are studied in reference to their relations to the development of national states and the growth of democracy and the expansion of Europe. Emphasis is laid on international relationship and on events culminating in the Great War. A theme is required at the close of the course. Robinson, *History of Western Europe*, is used as a basis of the course and is supplemented by lectures, collateral readings, special reports and map work.

Fall or Winter Quarter—Credit, 5(5-0).

212. ENGLISH HISTORY. A study of the intellectual, religious, social and industrial life of England. Emphasis is laid on the Renaissance, the Reformation and the Ages of Elizabeth, the Tudors and the Stuarts.

Winter Quarter—Credit, 5(5-0). Not offered 1931-32.

213. HISTORY OF THE NEGRO. This course opens with a brief survey of the African background of the Negro and traces him from Africa to America. It includes a study of his enslavement, with special emphasis on slavery in America, his life on the plantation, the Free Negro before 1860, abolition, and the Civil War with special emphasis on the part played by Negro troops, achievements since 1865, forces in Negro progress, some problems of the Negro, the part played by him in the World War. Special phases of the Negro are studied together with the forces that are operating to unite the race. Woodson, *The Negro in Our History*, is used as the basis of the course and is supplemented by lectures, collateral readings, examination of sources, preparation of bibliographies, the presentation of papers.

Winter or Spring Quarter—Credit, 5(5-0).

221. COLONIAL HISTORY. This course deals with European background, the institutional and economic development of the British colonies in North America; the rise of the dispute with Great Britain. The course and phases of the Revolution.

Fall Quarter—Credit, 5(5-0).

222. U. S. HISTORY. A continuation of 221. The movement toward union; the formulation of a new nation and its development up to 1865. Among the subjects considered are constitutional theories, sectional controversies, the rise of secession, the military

strategy and conduct of the Civil War, constitutional and economic problems of the Union and Confederacy, and the political and economic adjustment during reconstruction.

Winter Quarter—Credit, 5(5-0).

223. **U. S. HISTORY SINCE CIVIL WAR.** Recent and contemporary American History with emphasis on the rise of big business and its effect on politics, government, transportation; labor problems and world politics; course of party development and political reform.

Spring Quarter—Credit, 5(5-0).

231. **ANCIENT HISTORY.** This course is designed for those majoring in the field or who plan to teach Ancient History in secondary schools. It includes a study of the civilizations and contributions of the people along the Nile and of Greece and Rome.

Fall Quarter—Credit, 5(5-0).

232. **MEDIAEVAL HISTORY.** A history of the middle ages with particular attention to social and economic conditions and cultural and religious development.

Winter Quarter—Credit, 5(5-0).

233. **HISTORY OF LATIN AMERICA.** A study of the rise and development of the Latin American nations, with special attention to their relations with each other and with the outside world.

Spring Quarter—Credit, 5(5-0).

241. **COMMERCIAL AND INDUSTRIAL GEOGRAPHY.** This course deals with the value and importance of physical environment of man and its influence upon commerce and industry.

Fall Quarter—Credit, 4(4-0).

242. **COMMERCIAL AND INDUSTRIAL GEOGRAPHY.** A continuation of course 241. A study is made of the industrial and commercial contributions of the various nations of the world to progress. Special topics are assigned.

Winter Quarter—Credit, 5(5-0).

243. **PRINCIPLES OF GEOGRAPHY; GEOGRAPHY OF NORTH AMERICA.** The geological features of North America, including topography, drainage, geology, soils and climate. This is followed by an analysis of physiography with special reference to the physiographic provinces of the United States.

Fall Quarter—Credit, 5(5-0). Not offered 1931-32.

245. **SEMINAR.** Open, with approval of instructor, only to Seniors majoring in the department.

Any Quarter—Credit, 3(3-0).

HOME ECONOMICS

APPLIED ART

211. **APPLIED ART.** This course includes the principles which control the use of color and form and the selection and management of elements in the production of objects themselves and in their use as parts of whole.

Fall Quarter—Credit, 3(0-6).

212. **COSTUME DESIGN.** This course is a design basis for garment selection and construction. Includes color, line, form and texture in modern dress; consideration of individual requirements; brief survey of historic costume.

Winter Quarter—Credit, 3(0-6).

213. **HOUSE FURNISHINGS.** A decorative phase of design studied in the solving of problems which occur in the furnishings of the house.

Prerequisite: Art 211.

Spring Quarter—Credit, 2(2-2).

231. **APPLIED ART II.** A further study of harmonies, adaptation of natural motifs, and design as applied to fabrics and other materials; art masterpieces and articles of common use studied according to principles of color and form.

Prerequisite: Art 211.

Fall Quarter—Credit, 3(0-6).

232. **COSTUME DESIGN II.** Review of line, form and proportion in modern costume and in the human figure as the structure upon which costume is built; special problems in dress design; stress in color in modern and historic costume for the stage.

Prerequisite: Art 212.

Winter Quarter—Credit, 3(0-6).

242. **INTERIOR DECORATION.** A study of color, form and arrangement of house furnishings.

Prerequisite: Art 231.

Winter Quarter—Credit, 3(0-6).

CLOTHING

211. **CLOTHING I.** Adaptation and use of commercial patterns; kind, qualities, and quantities of materials; elementary facts which underlie the successful selection of textile fabrics; planning and construction of simple garments.

Fall Quarter—Credit, 3(0-6).

212. **CLOTHING II.** The planning of clothing budgets of individuals and of family groups; planning and construction of garments for children, men and women with emphasis on rapidity of construction, labor-saving methods, and relative costs.

Prerequisite: Clothing 211 and Art 212.

Winter Quarter—Credit, 3(0-6).

223. **TEXTILES.** A study of the chemical, physical, microscopic tests on textile fibers, yarns and fabrics. The combination of art, science, and mechanic that makes possible to develop a clear and sound judgment in the selection of textile fabrics for household and personal use and become familiar with best methods of determining quality.

Prerequisite: Clothing 212.

Spring Quarter—Credit, 3(2-2).

232. **CLOTHING III.** Aesthetic and modish adaptation of materials to the individual; self-expression through dress; self-fitting and problems in silk fabrics, renovation and practice in demonstration work.

Prerequisites: Clothing 211, 212 and 223. Art 212.

Winter Quarter—Credit, 3(0-6).

243. **CLOTHING IV.** Fundamentals in tailoring and essentials in millinery.

Prerequisites: Clothing 211, 212, 223 and 232. Art 212, 232.
Spring Quarter—Credit, 3(0-6).

FOODS

221. **Foods I.** Practical cookery, illustrating the various methods of preparing foods; study of stores, fuels, food preservation, and simple meal planning.

Fall Quarter—Credit, 5(2-6).

223. **Foods II.** Food preparation is from an experimental standpoint; foods are tested to show chemical composition, solubility in various re-agents and similar qualities. Food values in relation to cost; place of various foods in diet.

Prerequisites: Foods 221 and Organic Chemistry.

Spring Quarter—Credits, 5(2-6).

231. **HUMAN NUTRITION.** The chemistry of food and nutrition, with emphasis upon the food nutrients, digestion, and metabolism.

Prerequisite: Foods 223, Organic Chemistry and Embriology and Physiology.

Fall Quarter—Credits, 5(5-0).

241. DIETETICS. Planning of typical diets for each period of life. Studies of weight, measures and cost of some of the common food materials; calculation and preparation of standard portions and combinations of foods.

Prerequisites: Foods 223 and 231.
Fall Quarter—Credits, 5(2-6).

242. DINNER WORK. Practice work in marketing and serving, and other practical applications of classroom theories.

Prerequisites: Foods 223, 231 and 241.
Winter Quarter—Credit, 3(0-6).

HOUSEHOLD ECONOMICS

211. HOME ECONOMICS PROBLEMS. Survey course of the field of home economics. Special problems are assigned.

Fall Quarter—Credit, 1(1-0).

212. HYGIENE AND HOME NURSING. Practical application of the principles of maintaining and improving health; home care of sick.

Winter Quarter—Credit, 3(2-2).

223. HOUSEHOLD MANAGEMENT. Organization and simplification of house-work through efficiency in house planning and construction, and in the methods of housekeeping; standards of living and family expenditures, budgets and accounts.

Prerequisites: Household Physics, Foods 223 and Clothing 212.
Spring Quarter—Credit, 3(2-2).

233. ECONOMICS OF THE HOUSEHOLD. This course includes problems of income, housing, standards of living, budgets and accounts.

Prerequisites: Economics and Foods 223.
Spring Quarter—Credit, 3(3-0).

241. SUPERVISED HOUSEHOLD MANAGEMENT. Practice course in household management in practice house.

Prerequisite: Household management.
Fall Quarter—Credit, 3(2-?).

242. CHILD WELFARE. The study of the development, care and training of the infant and preschool child.

Prerequisites: Embryology and Physiology, Psychology and Foods 231.
Winter Quarter—Credit, 3(2-?).

242. THE MODERN FAMILY. Study of the family and the various problems which confront it today.

Prerequisite: Senior standing.
Spring Quarter—Credit, 3(3-0).

HORTICULTURE

111. **VEGETABLE GROWING.** A study of the general principles involved in vegetable production. The student will be given an opportunity to carry out some of the principles taught through practical work in assigned plots of which they will have full charge. They will be expected to plan, plant and cultivate their plot.

Spring Quarter—Credit, 4(2-4).

121. **HOME GROWN FRUITS.** The course was designed for the purpose of interesting the student in the production of fruit for home consumption. Consideration is given to the general principles of fruit growing, as locations, sites, soils, fruits and varieties, pruning and spraying, and the practices involved in orchard management, with some consideration to small fruits.

Winter Quarter—Credit, 3(2-2).

122. **FARM BEAUTIFICATION.** A general study of the principles of the art of beautifying the farm grounds. Designing and planning lawns; the planting, care and the maintenance of plants for the farm grounds.

Spring Quarter—Credit, 4(2-4).

131. **FLORICULTURAL PRACTICE.** Practical work in the greenhouse and flower garden. The student will plant and grow seed under greenhouse conditions with the consideration of diseases and insects.

Fall Quarter—Credit, 3(1-4).

141. **FLORAL ARRANGEMENT AND JUDGING.** A general study of the principles and methods of cut flower arrangement and designing; interior decorations.

142. **COMMERCIAL FRUIT PRODUCTION.** Special emphasis is placed on the scope and importance of fruit in the United States and in North Carolina, also on the possibilities of fruit growing on a commercial scale and as a department of the general farm. The study includes the geography of fruit, production, handling and factors.

143. **PLANT MATERIALS.** The course includes the identification of trees, shrubs, and vines of North Carolina in summer and winter conditions. The laboratory work on identification will be done largely in the field. Some reference given to their use in landscaping.

Prerequisites: Botany 111 and 121.

Spring Quarter—Credit, 3(2-2).

MATHEMATICS

311. COLLEGE ALGEBRA. The course begins with operation upon surds and continues with theory of exponents, irrational and imaginary numbers, quadratic equations, equations solved like quadratics, simultaneous equations, etc. A general review of Algebra with advanced conceptions.

Prerequisite: High School Algebra.

Fall Quarter—Credit, 5(5-0).

312. TRIGONOMETRY. Functions of angles and their practical application to solution of problems, relation of acute angles and sides in right triangle, relation of functions, logarithms of numbers and trigonometric functions, solutions of the right and oblique triangles by logarithms.

Prerequisite: Math. 311.

Winter Quarter—Credit, 5(5-0).

313. ANALYTICAL GEOMETRY. Analytical Geometry.

Prerequisite: Math. 312.

Spring Quarter—Credit, 5(5-0).

321. DIFFERENTIAL CALCULUS. The course consists of differentiating slopes of curves, applications to simple problems, method of differentiating trigonometric functions, logarithmic and exponential functions.

Prerequisite: Math. 311, 312, 313.

Fall Quarter—Credit, 3(3-0).

322. INTEGRAL CALCULUS. Integration of functions of one variable, including use of tables; definite integrals; geometrical applications to areas and lengths of plane curves, volumes of solids, mechanical application to work, pressure, centers of gravity and moments of inertia.

Prerequisite: Math. 321.

Winter Quarter—Credit, 3(3-0).

323. INTEGRAL CALCULUS. A continuation of 322. Double and triple integration with application to areas, volumes, moments of inertia and centers of gravity, simple differential equations.

Prerequisite: Math. 322.

Spring Quarter—Credit, 3(3-0).

324. SURVEYING. The method of using the compass, transit, tape and level in making plane surveys. Lectures and field work. Elementary stadia work. In the drafting room the computations and drawing necessary to interpret and plot surveying field notes are made.

Prerequisites: Math. 311, 312.

Fall Quarter—Credit, 3(1-5).

331. DIFFERENTIAL EQUATIONS. First and second order equations, simultaneous equations and linear equations with constant coefficient; applications to geometry, chemistry, physics and mechanics.

Prerequisite: Math. 323.

Fall Quarter—Credit, 3(3-0).

MECHANICAL ENGINEERING

311. MECHANICAL DRAWING. Instruction in proper use of drafting instruments and materials. Pencil drawings. Ink drawings. Tracing. Lettering. Emphasis placed upon accuracy. Winter Quarter—Credit, 4(0-8).

312. MECHANICAL DRAWING. Continuation of 311. Elementary fundamentals required for machine drawing, including isometric, oblique and simple projections, the construction of conics and rolled curves. Prerequisite: 311. Spring Quarter—Credit, 4(0-8).

314. DESCRIPTIVE GEOMETRY. Short lectures and individual class room instruction. Class room exercises are issued in form of problem sheets which the student finishes according to directions. Emphasis is placed upon the ability to visualize the problems and processes of solution. 314 includes the study of the fundamental conceptions of orthographic projection and fundamental problems on lines, planes and solids. Fall Quarter—Credit, 3(1-4).

321. MECHANISM. A study of motion and types of various mechanisms employed in design of machines. Rolling cylinders, cones, belting, screws, cams, and wheel trains are covered in the course. Winter Quarter—Credit, 5(5-0).

322. MECHANISM. A continuation of mechanism 321. The design of gear teeth. Linkages. Theory and practice of designing valve gears for steam engines. Prerequisite: 313. Spring Quarter—Credit, 5(5-0).

323. MACHINE DRAWING. Drafting room exercises accompanied by lectures. Making assembly drawing from blueprints of details of some machine. Process of reproducing drawings; blueprinting. Prerequisite: 313. Fall Quarter—Credit, 3(0-6).

324. MECHANICAL ENGINEERING DRAWING. This course is supplementary to the courses in mechanism, being drafting room work in the solution of practical problems such as belting, design of cams, and velocities and acceleration of moving parts. Winter Quarter—Credit, 3(0-6).

325. MECHANICAL ENGINEERING DRAWING. A continuation of 324. The solution of problems dealing with velocities, accelerations, forces in various linkages, design of gear teeth and a drawing board study of operation of certain types of valve gears for steam engines.

Prerequisite: 324.

Spring Quarter—Credit, 3(0-6).

326. FORGE SHOP. Instruction in use of tools. Study of material worked upon and proper method of working each material. Lecture and discussion of methods of making large forgings. Building and care of fires, heating, drawing, forming, bending and twisting, upsetting, upsetting while bending, square corners, punching, bolt making, welding, chain making, construction of rings and hooks. Tool making and tempering.

Fall Quarter—Credit, 3(0-6).

327. FORGE SHOP. A continuation of M. E. 326. The work outlined under 326 is distributed over the two courses 326 and 327.

Prerequisite: The work covered under 326.

Winter Quarter—Credit, 3(0-6).

328. DIRECT CURRENT ELECTRICITY. Recitations and problems on electrical resistance. Ohm's Law and the electric circuit, Kirchoff's Law, battery electromotive forces, primary and secondary batteries, magnetism and magnets, magnetic circuit, electrostatics, capacitance. Text: Dawes, Elec. Eng. D.C. Vol. I.

Prerequisite: 322.

Spring Quarter—Credit, 5(5-0).

331. APPLIED MECHANICS. Graphical and analytical resolution and composition of forces. Laws of equilibrium and force systems; stress in various types of frames; distributed forces; center of gravity; moments of inertia and radii of gyration of plane areas and solids. Kinetics of solid bodies in plane motion.

Fall Quarter—Credit, 5(5-0).

332. STRENGTH OF MATERIALS. Physical properties of materials; fundamentals of components of stress and strain in bodies under uniform or varying stresses; the theory of bending; shearing; bending moments; equation of elastic curve; deflections in beams; stress due to combined axial loading and bending.

Prerequisite: 331.

Winter Quarter—Credit, 5(5-0).

333. STRENGTH OF MATERIALS. A continuation of 332. Theory of column strength; torsion; stresses and deformation in shafting

and bars under torsion. Graphical method of solution of problems in statics.

Prerequisite: 332.

334. THERMODYNAMICS. Laws of thermodynamics and applications to engineering; physical properties of gases, saturated and super-heated steam and air; use of equations, steam tables and diagrams in solution of various problems.

Fall Quarter—Credit, 5(5-0).

335. THERMODYNAMICS. A continuation of 334. Flow of fluids; throttling calorimeter; steam injector and turbines; theoretical and practical cycles of hot air; internal and external combustion engines with losses affecting efficiencies of various machines.

Prerequisite: 334.

Winter Quarter—Credit, 5(5-0).

336. THERMODYNAMICS. A continuation of 335. Study of gas motors and compressors; transmission of gases through pipe lines; insulation; heating and ventilating problems; cooling towers.

Prerequisite: 335.

Spring Quarter—Credit, 5(5-0).

337. HYDRAULICS. Theoretical Hydraulics. Elementary principles of Hydrostatics and Hydrokinetics; laws of static and dynamic pressure; flow of water through orifices, tubes, nozzles, weirs, pipelines and open channels; hydraulic friction and accompanying losses; water measurements in pipes and open channels.

Spring Quarter—Credit, 3(3-0).

338. MATERIALS OF ENGINEERING. Properties, structure and heat treatment of iron, alloys, steel and bearing metals. Lecture. Recitation.

Winter Quarter—Credit, 2(2-0).

339. MATERIALS OF ENGINEERING. Study of manufacture, physical properties and testing of iron, steel, timber, cement, concrete, brick, plaster and other materials. A.S.T.M. method of testing and specifications.

Prerequisite: 338.

Spring Quarter—Credit, 2(2-0).

3310. MECHANISM OF MACHINES. A study of the mechanism of machine tools; supplementary to the courses in pure mechanism; solution of many problems involving gearing and speeds of various machine tools in common practice.

Prerequisite: 321, 322.

Fall Quarter—Credit, 5(5-0).

3311. MACHINE DRAWING. Advance working machine drawing. Making detail sketches and drawings of machine parts.

Prerequisite: 325.

Fall Quarter—Credit, 3(0-6).

3312. MACHINE DESIGN. Problems in machine design, the solution of which is based upon statics. Calculation for design of some simple machine such as a punch, shear, or press; machines in which stresses are statically determinant.

Prerequisite: 332.

Fall Quarter—Credit, 5(5-0).

3314. MACHINE TOOL WORK. This course and the following course, 3315, are devoted to instruction and practice in the use of machine tools. Instruction, demonstration and application of the mechanism of the machine tools. Cutting tools, cutting angles and general adjustments are demonstrated and discussed. The work includes exercises in centering, squaring, straight and taper turning and fitting, outside and inside screw cutting, chucking, reaming, finishing and polishing, drilling, tapping, pipe threading on pipe threading machine, mandrel making, grinding and lapping, boring, brass turning, and finishing; work on milling machine, gear cutting, tool making including milling cutter and tap.

Fall Quarter—Credit, 3(0-6).

3315. MACHINE TOOL WORK. Continuation of the work described above and not performed in course 3314.

Winter Term—Credit, 3(0-6).

3316. TECHNICAL ELECTRICAL MEASUREMENTS. Calibration of ammeters, voltmeters, D.C. watthourmeter, resistance measurements, low resistance measurements, potentiometer, fault locating and electrolytic conduction.

Prerequisite: Phys. 323. Taken simultaneously with 3321.

Fall Term—Credit, 3(1-4).

3317. DYNAMO ELECTRIC MACHINERY. Measurement of armature and field resistances, voltage, power and transmission losses; electrical characteristics of stunt series, compound generators and motors; stray power tests, brake tests, efficiency and static torque tests.

Prerequisite: 3316.

Winter Quarter—Credit, 3(1-4).

3318. TECHNICAL ELECTRICAL A. C. MEASUREMENTS. Alternating

current, resistance, inductance, reactance, capacitance, impedance, three-phase measurements, A.C. watthourmeter.

Prerequisite: 3317.

Spring Quarter—Credit, 3(1-4).

3319. A. C. DYNAMO ELECTRIC MACHINERY. Characteristics of synchronous motors and generators, single and polyphase; transformer operation and characteristics; induction motor, synchronous converter, motor-generator sets.

Prerequisite: 3318.

Fall Quarter—Credit, 3(1-4).

3320. STORAGE BATTERIES AND ELECTRO-DEPOSITION. Manufacture, operation and care of storage batteries; elements of electro-deposition of copper and nickel.

Prerequisite: 3322 and 3316.

Spring Quarter—Credit, 6(3-4).

3321. D. C. MACHINERY. Recitation and problem section; detail study of the generator, generator characteristics, motor characteristics, electrical losses and efficiency, transmission and distribution of power.

Prerequisite: 328. Text: Same as 328.

Fall Quarter—Credit, 5(5-0).

3322 AND 3323. A. C. ELECTRICITY. Recitation and problem section; alternating current and voltages, sinusoidal waves, vector addition, alternating current circuit, alternating current instruments and measurements, single and polyphase systems.

Prerequisite: 3321. Text: Dawes Electrical Engineering, A.C. Vol. II.

Winter Quarter—Credit, 5(5-0).

Spring Quarter—Credit, 5(5-0).

341. STRENGTH OF MATERIALS. Theory of elasticity applied to plane stress and strain; determining stress and strain in shafting and bars under combined bending and torsion; springs, cylinders, flat plates; reinforced concrete beams, columns and slabs.

Prerequisite: 333.

Fall Quarter—Credit, 5(5-0).

M. E. 342. SURVEY OF ENGINEERING. Lectures on achievements in the engineering world. A study of the fundamentals of research methods in relation to the actual procedure of discovering and solving research problems. Conference and report.

Winter Quarter—Credit, 2(1-2).

343. HEAT ENGINEERING. Reversed thermodynamic processes; refrigeration; systems of refrigeration for various refrigerants; particular attention to domestic and industrial refrigeration.

Prerequisites: 334, 335, 336.

Fall Quarter—Credit, 3(3-0).

M. E. 345. HYDRAULIC TURBINES. Study of construction and characteristics of the modern types of Hydraulic Turbines. Data necessary for turbine test and problems on use of data in constructing characteristic curves. Lectures and demonstration by problems of stream flow. General lectures on Hydro-Electrical Engineering. Moving pictures of construction and operation of one or two outstanding hydro-electrical plants in United States or Canada.

Prerequisite: 337.

Spring Quarter—Credit, 5(5-0).

346. MACHINE DESIGN. Design of a power-driven punch press and shear. Stiffness and strength of power shafting, belts, ropes, stresses in fly-wheels, force fits, balancing, journals and bearings and stresses in moving parts. Complete set of drawings and calculations for punch and shear machine.

Prerequisite: 3313.

Winter Quarter—Credit, 5(2-6).

347. MACHINE DESIGN. A continuation of 346 with more advance work in machine design.

Spring Quarter—Credit, 5(2-6).

M. E. 348. STEAM POWER PLANT ENGINEERING. A descriptive and analytical study of steam generating and steam using machinery. Detail description of modern central and isolated stations. Cost of power. Typical specifications.

Spring Quarter—Credit, 5(5-0).

349. TESTING MATERIALS LABORATORY. Tests on sands and cements according to A.S.T.M. standards. Strength of various mixes of concrete.

Prerequisite: Strength of Materials.

Winter Quarter—Credit, 2(1-3).

3410. REPORT WRITING. The principles and methods of investigation and report-writing on technical problems.

Fall Quarter—Credit, 4(3-2).

3411. CONTRACTS AND SPECIFICATIONS. Writing specifications for construction work; method of writing. Study of various contract documents. Method of letting contracts.

Winter Quarter—Credit, 5(5-0).

3412. HEATING, VENTILATING AND PLUMBING. Lecture, recitation. A brief study of the principles of heating, ventilation and plumbing with practical problems.

Fall Quarter—Credit, 5(5-0).

3413. A. C. MACHINERY. Alternator windings, construction, electromotive force, outputs, regulation, and operating characteristics. The transformer principles, calculation and operation, instrument transformer, induction motor, synchronous motor, and synchronous converter, motor-generator sets.

Prerequisite: 3323. Text: Same as 3323.

Fall Quarter—Credit, 5(5-0).

3414. CENTRAL STATIONS. Distribution system, nomenclature, losses and loss factors, loads and load factors, load graphs, circuit design, transmission, automatic regulators, switch-boards and switch-gear, operating characteristics of generating stations, hydro-electric stations, and plant visits.

Prerequisite: 3413.

Winter Quarter—Credit, 5(5-0).

3415. ELECTRICAL ENGINEERING LABORATORY (Special for Department 2). Potentiometer measurements, calibration of meters, D. C. watthourmeter, resistance measurements; characteristics of series, shunt, and compound motors and generators; characteristics of synchronous motor and alternator; characteristics of synchronous motor-generator sets and transformer.

Prerequisite: 322.

Spring Quarter—Credit, 3(1-4).

3416, 3417. ELEMENTS OF ELECTRICAL ENGINEERING. Ohm's Law for series and parallel circuits, potential drops and rises, inductance, capacitance, D.C. motors and generator, Ohm's Law for A.C., impedance, reactance, inductance, capacitance; synchronous converter, motor and alternator; three-phase transmission and transformer.

Fall Quarter—Credit, 5(5-0).

Winter Quarter—Credit, 5(5-0).

METEOROLOGY

121. ELEMENTARY METEOROLOGY. This course acquaints the student with the principles of the general and secondary circulation of the atmosphere; the elements of weather and climate; practical weather forecasting from weather maps and local observations.

MILITARY SCIENCE

1. In October, 1919, the United States War Department designated military training at the A. & T. College under the provision of Special Regulation No. 45, War Department, 1920.

2. All male students who are physically fit and sixteen years of age or over, automatically become members of the Military Department upon entering school.

BENEFIT AND VALUE OF MILITARY TRAINING

(a) In the Military Department a man will be taught the lesson of discipline, which means that he will learn to lead and to be led, to obey and to give orders, to co-operate effectively with others—team work. These are lessons which are worth learning, whether one goes to war or goes to work.

(b) Military training will enrich the educational resources of the college by contributing new problems, applications, and equipment. This will not only vitalize the course of study, but give the student a training which will be valuable in his industrial or professional career as it would be should the nation call upon him to act as a leader in its defensive forces.

(c) A military unit is largely dependent for its efficiency upon the physical fitness of the individuals composing it. Physical training, therefore, will form an essential part of the military instruction. It will be the policy to encourage and support, in every way practicable, the physical training given by the civilian teachers, thus co-operating with all other effective agencies in an effort to promote a more vigorous American manhood.

(d) The Military Department aims to make every man physically sound and to teach him habits of self-care. No other form of physical training equals in soundness and efficiency that afforded by drill in the open and by mass athletics, both designed to develop the mind and body by certain well-defined movements. Drill and physical exercise, properly given, will fit the student to endure physical hardships, discipline him in accuracy, orderliness, punctuality and alertness, and will insure quickness, precision and the habit of concentrated attention. It will accustom the student to co-operation, and promote comradeship and emphasize the spirit of duty and service.

The regularity and thoroughness of these exercises contribute much to the health and growth of the student. Their physical improvement is always a cause of deep and abiding joy and pleasant surprise on the part of parents and friends.

COURSES OF INSTRUCTION

The training in these courses is progressive and follows the plans laid down by the War Department.

These courses are required of all students of the institution who are physically fit, with the exception of Juniors and Seniors of the College Department.

211. **MILITARY SCIENCE.** This course is intended as introduction to the idea of military service. It stresses such subjects as military courtesy and discipline, drill—close and extended order—and marches.

Fall Quarter—Credit, 1(0-2).

212. **MILITARY SCIENCE.** This course is devoted to the care and use of arms and equipment, personal hygiene, sanitation and physical training.

Winter Quarter—Credit, 1(0-2).

213. **MILITARY SCIENCE.** This course deals with the question of morale and also drills the cadets in such problems as interior guard duty, minor tactics, and ceremonies.

Spring Quarter—Credit, 1(0-2).

221. **MILITARY SCIENCE AND TACTICS.** This course begins with a consideration of such topics as military leadership and responsibility in peace and war. Attention is then directed to the military history of the United States and the development of its present military policy.

Fall Quarter—Credit, 1(1-2).

222. **MILITARY SCIENCE.** This course is devoted to a study of the plan of organization of the military forces of the United States at the present time. This will include administrative departments, territorial areas, and personnel.

Winter Quarter—Credit, 1(1-2).

223. **MILITARY SCIENCE.** This course undertakes a consideration of certain phases of the military establishment, as military law, hygiene, sanitation, communication and supplies. Each student will be encouraged to select a topic for research in the field in which he is most interested. A regular feature of the work will be a discussion of these topics for the benefit of the class.

Spring Quarter—Credit, 1(1-2).

MUSIC

211. APPRECIATION OF MUSIC. Lectures and private reading. Analytical study of the masterpieces with special reference to the listener. This course does not presuppose a technical knowledge of music.

Fall Quarter—Credit, 1(0-2).

212. MUSIC. Lectures and private study of the best known classics, and the ability to know masterpieces by hearing the theme and something of importance of the composer's life.

Winter Quarter—Credit, 1(0-2).

213. MUSIC. Lectures and study of the progress and rise of music, together with more detailed study of the art forms and their development. These forms are illustrated from time to time by selection from the works of composer under discussion, the principal aim being to furnish the student with a general knowledge of this art upon which to base further studies in the appreciation of music.

Spring Quarter—Credit, 1(0-2).

221. MUSIC. A more detailed study of the various phases in development of art of music. Lectures, reading and reports together with musical illustrations.

Fall Quarter—Credit, 1(0-2).

222. MUSIC. A critical study of the lives and works of the composers who have exerted the greatest influence on music, with particular attention to the sources which have influenced their individual styles.

Winter Quarter—Credit, 1(0-2).

223. CHURCH MUSIC. History of the music of the Christian Church from the first century to the present time. Chants, masses, hymns, anthems, oratorios, cantatas, and organ music. The aim of the course is to acquaint the student with the best sacred music, both ancient and modern.

Spring Quarter—Credit, 1(0-2).

231. MUSIC. Lectures and study pertaining to all forms of musical composition. Consideration of the orchestra as a unit, and demonstration of orchestral instruments.

Elective. Fall Quarter—Credit, 3(3-0).

232. **MUSIC.** Study of Negro and Indian music and trace its origin from primitive time to the present time. Lectures and collateral reading on the place of the Negro and the Indian in modern music.

Elective. Winter Quarter—Credit, 3(3-0).

233. **MUSIC.** The rise of music in America. Study of the seventeenth, eighteenth, nineteenth and twentieth centuries, the social, economical and political backgrounds and their importance on the development of music. Leading American composers, their lives and works.

Elective. Spring Quarter—Credit, 3(3-0).

234. **PUBLIC SCHOOL MUSIC.** Elementary Harmony prerequisite. This course is offered for those who wish to prepare themselves to supervise or teach music in secondary and normal schools. This course is required for all who major in music but may be elected by any member of the college department. The study of the child's voice, elementary curriculum, methods, music notation, directing ensemble singing, observation, practice teaching, etc.

Any Quarter—Credit, 2.5(0-5) each.

PHILOSOPHY

223. **ETHICS.** An introduction to the chief theories of modern life. The object of this course is to arrive at a systematic evaluation of the valid factors in an ethical philosophy of life.

Spring Quarter—Credit, 3(3-0).

231. **PHILOSOPHY.** A study of the development of philosophic thought and tendencies, religious, scientific, esthetic and moral that have produced our civilization. Attention will be given to the most significant philosophers of our Western culture and to the views of the outstanding personalities.

Fall Quarter—Credit, 3(3-0).

232. **ELEMENTARY LOGIC.** A study of the methods employed in the search for facts, the formulation and testing of general principles to specified cases. Illustrations are drawn from the processes of common sense, science, history and law.

Winter Quarter—Credit, 3(3-0).

PHYSICAL EDUCATION

THE GENERAL AIMS OF PHYSICAL EDUCATION

The aims of this department are to develop organic power, vitality, the prerequisites to physical and mental efficiency; to secure muscular development, bodily skill and grace; to provide an incentive and an opportunity for every student to secure physical recreation as a balance to the sedentary demands of school life. The department also aims to offer social and moral values of games and sports, and also to establish high ideals of athletics. It trains the individual along the lines of leadership, fellowship and develops a love of recreation.

Further, it aims to acquaint the student and teacher with a keener realization of periodic health examinations; to give to the public trained recreational leaders.

NOTE: Regular college students (girls), are required to have two years of "gym" work. (This means that they must have a uniform.)

211, 212, 213. DEVELOPMENTAL GYMNASTICS (Required of Freshmen). This is a course in practice in general gymnastics. It includes hand apparatus, floor and hanging apparatus, games, tumbling, free exercises and rhythmic work, and mass games and military exercises.

Fall, Winter and Spring Quarters—Credit, 1(0-2) each.

224. BALLET DANCING. The elements of dancing. The modified ballet technique, simple combinations, a few character, interpretative, classic dances are included.

Fall Quarter—Credit, 2(1-2).

238, 239. METHODS. The lectures present the principal systems and methods of physical education in use in colleges, public and private schools, recreation centers, Y. W. C. A., etc. Extra-curricular work, such as May Days, health plays, poster demonstrations and after-school activities are fully discussed.

Winter and Spring Quarters—Credit, 2(1-2) each.

240. NUTRITION. Lectures presenting the fundamentals of nutrition and dietetics, emphasizing the details of an adequate diet and the nutritive properties and energy value of common food materials.

Fall Quarter—Credit, 1(1-0).

244. PAGEANTRY. This course includes the history of pageantry, writing, organization, coaching, and the stage properties necessary for producing a pageant, both for indoor and outdoor use.

Spring Quarter—Credit, 1(1-0).

242, 243. **PANTOMIME.** This is a course in visualizing thought and feeling by attitude and action. Speaking without words. Practice is given in this course and instruction in acting, staging plays, coaching, etc. A pantomimic play is required of each student.

Winter and Spring Quarters—Credit, 1(1-0) each.

235. **PSYCHOLOGY OF PLAY AND PLAYGROUND WORK.** Lecture course discussing the psychology of play, the aims of play, the purpose of the playground. A discussion of the equipment of a playground, organization, management, and the value of the playground as a social center, is taken up.

Winter Quarter—Credit, 2(2-0).

251. **PHYSICAL DIAGNOSIS.** Teachers who have supervision over students have a splendid chance to teach and come in contact with abnormal conditions, especially those of a contagious nature. For this purpose this course is offered, acquainting the teacher with a knowledge of these diseases so that they may be easily and readily recognized. The lungs, heart, malnutrition, tuberculosis, measles, and other childhood diseases, eye, ear, nose, throat, etc., are taken up.

Fall Quarter—Credit, 2(2-0).

252, 253. **PREVENTIVE MEDICINE.** This is a course consisting of lectures and demonstrations. The more important communicable diseases are discussed from the standpoint of prevention. The promotion of community health and sanitation is also taken up.

Winter and Spring Quarters—Credit, 2(2-0) each.

241. **ADMINISTRATION.** This course deals with the educational organization of typical states, and the correlation of the department of physical education with other school departments and civic bodies. The more important physical tests and their administrative uses are considered. The construction of gymnasiums, swimming pools and other equipment is also taken up. A thesis is required of every senior before graduation.

Winter Quarter—Credit, 1(1-0).

233. **HISTORY OF PHYSICAL EDUCATION.** This course covers the gymnastics of the Greeks and Romans; the period of decline under asceticism; the revival of sports and exercises during the age of chivalry and the Renaissance; the growth of our leading modern systems of physical training in Europe and America.

Fall Quarter—Credit, 1(1-0).

215, 216. **HYGIENE.** This course consists of lectures and discussions as to what really constitutes health, and a survey of the personal

habits which influence physical and mental health, sex, school and social hygiene.

Winter and Spring Quarters—Credit, 2(2-0) each.

237. **MASSAGE.** This course consists of theory and practice. Lectures are given on the history of massage, its physiological effects, etc. The practice work trains the student in the methods of applying this treatment.

Fall Quarter—Credit, 2(1-2).

225, 226. **FOLK DANCING.** This course takes up practice and theory. The theory deals with the national differences of dance and costume. The practice takes up the dances of the various countries. A note book including the lectures and dances, with illustrations, is required.

Winter and Spring Quarters—Credit, 2(1-2) each.

271. **CREATIVE DANCING.** Interpretative study of music and bodily movement; simple clogs and character work. A dance folio is required of each student. Each will be required to write and teach a dance.

Fall Quarter—Credit, 3(1-4).

250. **VOCAL EXPRESSION.** There is an unusual demand made on the voice of the teacher of Physical Training. This course in Vocal Expression is designed primarily to give students control and correct use of the speaking voice.

Fall and Winter Quarters—Credit, 1(1-0) each.

221, 222, 223. **DEVELOPMENTAL GYMNASTICS** (Required of Sophomores). Advanced technique, classic, and athletic dances. Instruction in music and its relation to the dance, and a continuation of the first year's work with special emphasis on the practice of teaching and first aid training.

Fall, Winter and Spring Quarters—Credit, 1(0-2) each.

262, 263. **PRACTICE TEACHING.** The students will practice teaching in the public schools of Greensboro. Their work in the city will consist of two days a week in the public schools and practice teaching within their own classes. Lectures shall be given twice a week on the art of practice teaching.

Winter and Spring Quarters—Credit, 4(1-6).

272, 273, 274. **CORRECTIVE CLINIC, PRACTICE WORK.** In this course the Seniors work on the Freshmen. All the week in corrective and massage are brought into play.

Fall, Winter and Spring Quarters—Credit, 2(1-2).

PHYSICS

311. Lecture, recitation and laboratory. Physics 311, 312 and 313 make up a general course in physics which treats the fundamental principles of the entire subject and can be used as a basis for advanced study in physics. The courses are presented from mathematical, historical, and descriptive standpoints. Physics 311 deals with the properties of matter, the mechanics of liquids and gases, sound, and heat. Text: *College Physics*, by Webster.

Fall Quarter—Credit, 5(4-2).

312. Lecture, recitation and laboratory. This course continues the study of heat and then considers the mechanics of solids (including statics as applied to particles and rigid bodies) and optics (including lenses, mirrors, reflection, refraction, and spherical and chromatic aberration).

Prerequisite: Physics 311 and Math. 312. Text: Same as 311.

Winter Quarter—Credit, 5(4-2).

313. Lectures, recitations and laboratory devoted to a further study of optics (speed of light, polarization, interference and elementary spectrometry) and to a general study of electricity.

Prerequisite: Physics 312. Text: Same as 311.

Spring Quarter—Credit, 5(4-2).

321. ELECTRICITY. Lectures, recitations and laboratory. Quantitative study of Ohm's Law, Joule's Law for heating effect. The laboratory work will also include the study of direct current meters and motors.

Prerequisite: 313, simultaneous with Math 321. Text: Same as 313.

Fall Quarter—Credit, 5(4-2).

322. ELECTRICITY (Continued). Lectures, recitations and laboratory covering electro-magnetic induction, magnetic circuit, simple sinusoidal currents, simple alternating currents and phenomena.

Prerequisite: 321. Text: Same as 321.

Winter Quarter—Credit, 5(4-2).

323. A continuation of 312, including motion of projectiles, friction, work, energy, power, angular acceleration and moment of inertia, dynamics of rotation, elasticity and gravitation.

Prerequisite: 312. Text: Same as 312.

Spring Quarter—Credit, 5(4-2).

331. CONTEMPORARY PHYSICS. Lectures and colloquia on contemporary physics and atomistic theory. Discussion of the Langmuir atom, the Bohr atom, and stationary states.

Prerequisites: 323 and Math. 322. Text: Selected bibliography.

Fall Quarter—Credit, 5(5-0).

341. ACOUSTICS AND LIGHTING. Lecture, recitation. A study of sound wave interference and insulation, especially in auditoriums. The principles of lighting and effects. Exercises.

Prerequisites: 313 and M. E. 3412.

Spring Quarter—Credit, 3(3-0).

POLITICAL SCIENCE

231. **FEDERAL GOVERNMENT.** A general introductory course in the government of the United States to acquaint the student with the more important facts of the organization and working of Federal institutions and to give a foundation for more advanced work in government. The principles of political science; the state, the nation, the government; constitutions, legislatures, executives, cabinets, and courts.

Fall Quarter—Credit, 5(5-0).

232. **STATE AND LOCAL GOVERNMENTS.** A study of state constitutions and of the structure and functions of state and local institutions in the United States.

Winter Quarter—Credit, 5(5-0).

233. **GOVERNMENTS OF EUROPE.** This course will be devoted to a consideration of the fundamental principles and functions of the leading European governments.

Spring Quarter—Credit, 5(5-0).

234. **AMERICAN POLITICAL PARTIES.** A study of the development of political parties, the caucus, political convention, primaries and other forms of nomination.

Winter or Summer Quarter—Credit, 3(3-0).

235. **MUNICIPAL ADMINISTRATION.** A study of the activities of modern municipalities, methods employed, policies and problems in the fields of finance; health and sanitation; police and fire protection; education; city planning; housing, public utilities, charities and corrections and recreations.

Spring Quarter—Credit, 3(3-0).

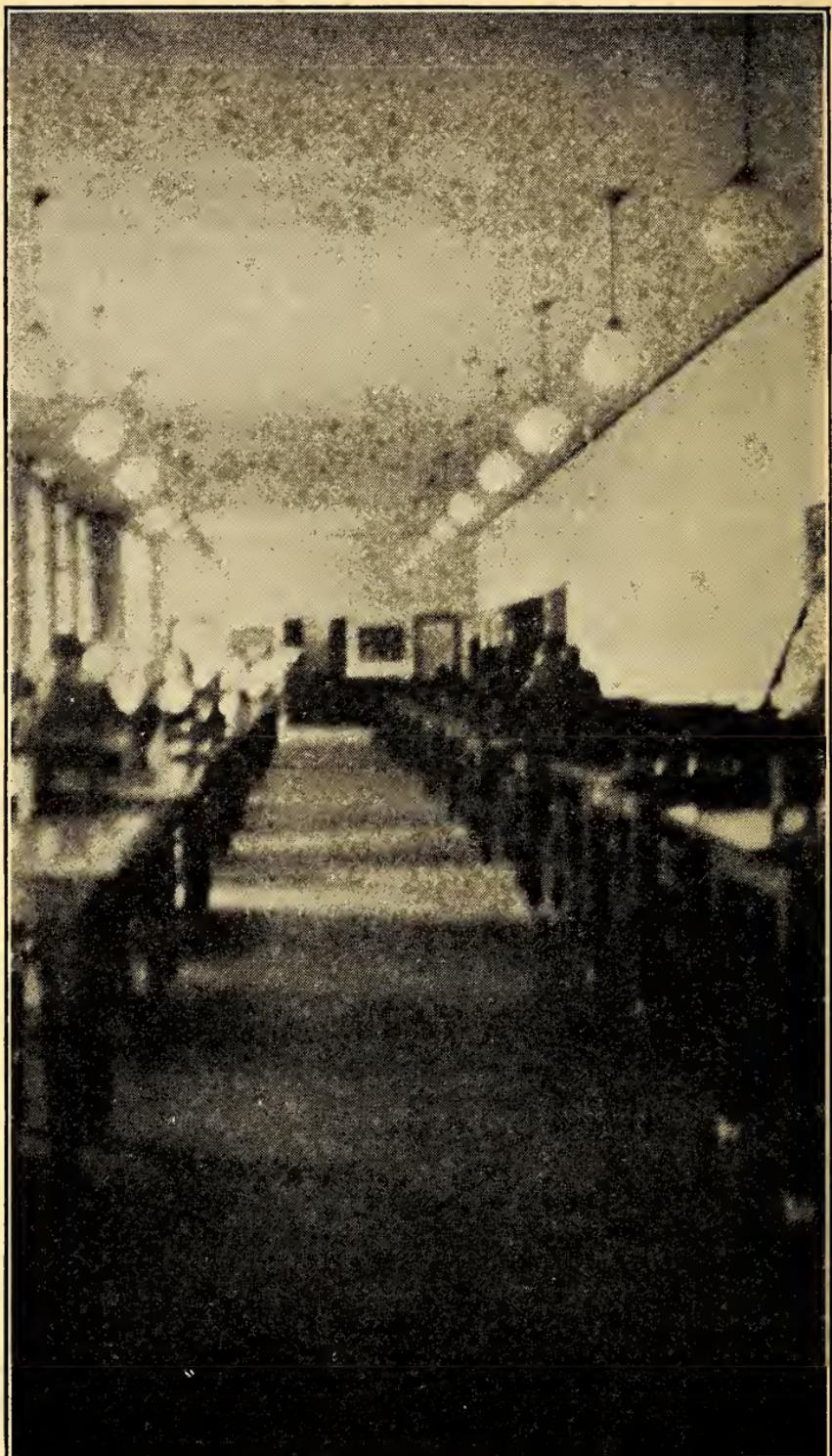
241. **INTRODUCTION TO THE STUDY OF INTERNATIONAL RELATIONS.** A course devised to give a complete study of international law. The principles of international law are set forth and illustrated by collateral reading and current events.

Pittman Potter's *Introduction to the Study of International Relations* is used as a basis for the course.

Credit, 5(5-0).

245. **SEMINAR.** Open only to Seniors with a major in Political Science.

Any Quarter—Credit, 3(0-6).



MAIN READING ROOM

RURAL ENGINEERING

121. **FARM MACHINERY.** This course includes a study of farm machinery, repair and upkeep, with special emphasis being placed on winter care. Demonstrations and tests are made with various implements with students performing the operations.

Fall Quarter—Credit, 3(2-2).

122. **FARM SHOP PRACTICE.** A practical farm shop course covering carpentry, forging, leather work and metal soldering. All practices will be based on what the farmer should do on the farm. This course is especially designed for students intending to teach vocational agriculture.

Winter Quarter—Credit, 3(0-6).

123. **FARM DRAINAGE AND ROAD BUILDING.** The beneficial effects of drainage on soil and farm crops. The mapping for drainage systems with construction methods and costs. The location, design, construction and maintenance of farm roads, materials used in road building.

Spring Quarter—Credit, 4(2-4).

130. **FARM BUILDINGS.** Construction, cost, management and ventilation of farm buildings, laboratory exercises in designing and estimating costs.

Prerequisite: A course in Mechanical Drawing.

Winter Quarter—Credit, 3(2-2).

DEPARTMENT OF SECRETARIAL SCIENCE

CERTIFICATE IN SECRETARIAL SCIENCE

This course is designed for those who have been graduated from an accredited high school and cannot devote more than two years to college work, but who wish to equip themselves for efficient service as confidential secretaries. Upon the satisfactory completion of this course a certificate is awarded.

Persons with a college degree or two years accredited teaching experience, and graduate for a standard high school may spend one year and fulfill the requirement for certificate in Secretarial Science.

211. **BOOKKEEPING.** A complete course in the fundamentals of book-keeping. Required of students working for special certificates in secretarial training. Students who took bookkeeping in secondary school or equivalent training will be permitted to take an examination and if the quality of work in the examination is satisfactory a course in accounting may be elected.

Winter Quarter—Credit, 5(5-0).

212. **SECRETARIAL STUDIES.** This course deals with the qualifications, duties, responsibilities and work of a secretary. The other points considered are: Managing callers, handling correspondence, locating sources of information, making appointments, and other routine and special duties in systematizing the office.

Spring Quarter—Credit, 6(2-8).

214 **SHORTHAND.** The course includes a study of word building and the general principles outlined in the Gregg shorthand manual and speed studies. The first five lessons are thoroughly mastered during this quarter.

Fall Quarter—Credit, 5(5-0).

215. **SHORTHAND.** This course is a continuation of 214 and with added emphasis on transcription of simple letters and documents.

Prerequisite: 214.

Winter Quarter—Credit, 5(5-0).

216. **SHORTHAND.** The principles are concluded early in this course and emphasis is placed on difficult dictation, speed test and reporting speeches.

Prerequisite: 215.

Spring Quarter—Credit, 5(5-0).

217. **TYPEWRITING.** The typewriting course covers a working knowledge of the use of all parts of the typewriter, a thorough command

of the keyboard by means of the touch system, rhythmic drills, practice in writing words, etc.

Any Quarter—Credit, 2.5(0-5).

218. **TYPEWRITING.** This course is concerned with tests and drills for speed and accuracy in the transcription of easy material from printed matter and shorthand notes.

Prerequisite: 217.

Winter Quarter—Credit, 2.5(0-5).

219. **TYPEWRITING.** Technical typewriting is emphasized in this course by allowing the student to spend most of his time on tabulation, stencil cutting, report-making and other practical duties.

Prerequisite: 218.

Spring Quarter—Credit, 2.5(0-5).

221. **OFFICE TRAINING.** This is a training course in office appliances commonly used in the modern office, such as adding machine, mimeograph, filing equipment, etc. Students will be required to do practice work in the offices and plants in and around Greensboro. A study is also made of the executive work connected with offices of many types. Two hours each week are devoted to discussion of the various problems found in these offices.

Fall, Winter or Spring Quarter—Credit, 9(2-15). (Work may be taken during any quarter at the discretion of the instructor.)

222. **ADVANCED STENOGRAPHY.** Advanced stenography is a review of the principles and practices of shorthand and typewriting for the purpose of developing speed. Emphasis is put on the details of report-making, taking dictation from speakers and other specialized fields of shorthand and typewriting. Open to all persons who have had Gregg shorthand.

Winter Quarter—Credit, 5(5-0).

SOCIOLOGY

231. **PRINCIPLES OF SOCIOLOGY.** A general survey of the field of sociology as a social science. Particular emphasis will be laid on social organization, conditions and problems.

Fall Quarter—Credit, 5(5-0).

232. **COMMUNITY LIFE.** A detailed study of community life, both rural and urban. Social issues that effect state as well as municipal government will be given much attention. Students will be encouraged from time to time to acquaint themselves with current problems.

Winter Quarter—Credit, 5(5-0).

233. **INTRODUCTION TO ANTHROPOLOGY.** The field of anthropology; origin and antiquity of man, his essential characteristics, relation to the animal kingdom; criteria of race distinction, the several races and some anthropological problems.

Spring Quarter—Credit, 3(3-0).

241. **THE FAMILY.** A survey of the family organization from primitive times to the present, and the analysis of the factors that enter into family development.

Fall Quarter—Credit, 3(3-0).

242. **RACE PROBLEMS.** A study of local conditions, situations, attitudes and progress of the various races in the United States, and methods of dealing with interracial problems.

Winter Quarter—Credit, 3(3-0).

243. **RURAL SOCIOLOGY.** A broad survey of the field of rural life in its social aspects.

Spring Quarter—Credit, 3(3-0).

244. **COMMUNITY ORGANIZATION.** Program and plans or organization, community councils, leadership. A study of national farmers' organizations from economic, social and political viewpoints. The Grange Farmers' Alliance, Farmers' Union, Farm Bureau, Non-Partisan League, etc., will be considered.

Winter Quarter—Credit, 4(4-0).

245. **CASE STUDY OF SOCIAL PROBLEMS.** Research course in social problems. Each student will be required to make a survey of a community. List, classify, interpret, contact, and dispose of a number of typical cases.

Any Quarter—Credit, 3(0-6).

THE TRADE SCHOOL

THE TRADE SCHOOL

The Trade School provides unit trade courses for persons who desire successful employment in the vocations of their choice. It is on the Smith-Hughes plan and is designed to attract men and boys from the different parts of the state to engage in the study of the trades. Its purpose is to meet the problem of training men and boys in the practice and theory of the various trades and to prepare them to work as journeymen. It is not intended that those who enter the trade school shall become highly trained foremen, but sufficient technical training will be given to enable them to appreciate and carry out the intent and purpose of these courses. There may be those, however, who are especially adapted that will naturally aspire to foremanships.

ENTRANCE REQUIREMENTS

Boys who are between fifteen and twenty years of age and have completed the seventh grade of a grammar school, or its equivalent, will be admitted to the trade course for which they are adapted.

Students over twenty years of age will be admitted to any trade course for which they are adapted. No educational qualifications will be required.

Tradesmen who desire advanced instruction or supplementary work in their trades may take such work during the dull seasons, provided these courses may be arranged for them.

The trade school will be open to boys who desire part-time preparatory and part-time extension trade courses.

The trade school conducts evening trade classes for tradesmen who wish to increase their vocational efficiency.

TRADES AND INDUSTRIES OFFERED

The following trades and industries are offered: Auto Mechanics, Blacksmithing and Wheelwrighting, Bricklaying, Carpentry, Cabinet Making and Upholstering, Lighting and Plumbing, Machine Shop Practice, Shoe Repairing, Tailoring, Hotel and Lunchroom Management, and Laundry Management.

The length of time required to complete a trade course will depend upon the degree of difficulty of the trade and the ability of the individual taking that trade. According to our plan the average trade may be learned in two years. A less difficult trade may be learned in one year, while a more difficult trade or industry, especially the "multiblock trades," and laundry management will require three years.

OUTLINE OF COURSES—TRADE SCHOOL

First Year

	1st Quarter Credit Hours	Actual Hours	2nd Quarter Credit Hours	Actual Hours	3rd Quarter Credit Hours	Actual Hours
Arithmetic (Applied) .	5	60	5	60	5	60
English	5	60	5	60	5	60
Civics and History . . .	5	60	..	..	..	..
Drawing . . . . .		..	..	..	..	..
Shop Work	20	240	20	240	20	240
Total	35	420	31	432	31	432

Second Year

Mathematics (Applied) .	5	60	4	36	3	36
English	3	36	2	24	2	24
Trade Science	2	24	..	..	..	..
Bookkeeping . . . . .		..	3	72	3	72
Drawing	3	72	..	..	..	..
Blueprint Reading . . . . .		..	2	48	2	48
Shop Work	20	240	20	240	20	240
Total	33	422	30	470	30	470

The following course is offered to those students who remain three years:

Third Year

Mathematics (Applied) .	2	24	2	24	2	24
English	3	36	3	36	3	36
Drawing	2	48	..	..	..	..
Industrial History . . . . .		..	3	36	3	36
Strength of Materials .	2	48	2	48	2	48
Shop Work	20	240	20	240	20	240
Total	29	400	30	384	30	384

The description of each of the above courses will be found in following pages under "Description of Courses."

DESCRIPTION OF TRADE SCHOOL COURSES

BOOKKEEPING

The purpose of this course is to enable the tradesman to keep his accounts and to acquaint him with simple business rules and regulations in order that he may be able to look after his own business affairs, especially those which have to do with his trade activities.

Note: See following pages for outline of course of study for students wishing to pursue the Hotel and Lunchroom Management Course, and those wishing to pursue the course in Laundry Management.

CIVICS AND HISTORY

The prime objective of this course is to make the tradesman a law-abiding citizen and to help him adjust himself easily to society and to appreciate his relations and responsibilities to his fellow citizens. He must, therefore, have some knowledge of the laws and government of his community, town, state and country.

DRAWING

Students in all trades will be given beginner's drafting. The proper use of drafting instruments, freehand lettering and sketching will be taught. Students in each trade will be taught drawing as applied to their particular trades.

ENGLISH

Students in the trade school will be taught English according to their needs. Emphasis will be put upon correct usage both in speaking and writing so that the tradesman will express himself intelligently on matters pertaining to his trade, business, and social career. The course includes the writing of business letters, sentence structure, punctuation, and paragraphing. Attention will also be given to the study and writing of simple contracts, agreements, bids, and specifications.

MATHEMATICS

The courses in mathematics are designed to meet the needs of all trade students. Those who have sufficient training in arithmetic will be given instruction as it applies to the trade problems. Students who have had no training in arithmetic will be given elementary work with a view of preparing them as fast as possible for the related work in mathematics.

STRENGTH OF MATERIALS

This course will include the testing for strength of good and faulty timber, glues, glued joints with reference to various kinds of wood, cross and end grains, the effect of temperature and pressure in making glued joints, sands, cement and concrete.

TRADE SCIENCE

The purpose of this course is to give the tradesman the particular scientific facts with which he comes in contact in the actual practice of his trade. These facts are taught in terms of the actual manner in which they affect the carrying on of trade operations and processes. Attention is given to mechanical advantages of levers, brackets, wheels and axles, derricks, hoists, etc. The properties of materials such as wood, stone, cement, bricks, plaster, and the effects which air, moisture,

acids, etc., have on such metals as tin, lead, copper and iron will be studied.

TRADE HISTORY

Where students are advanced in academic work a little time will be given to the study of Trade History in respect to its origin, progress, etc., This along with a brief course in Industrial History will suffice to make one better appreciate his trade.

OUTLINE OF COURSE IN AUTO MECHANICS

GENERAL MECHANICS

Training Objective: General repairman of reasonable skill and ability.

Length of course: Two years of 9 months each.

Amount of time in shop: Five hours per day.

Section 1. Bench work (For students without related shop subjects), 240 hours.

Section 2. Chassis and chassis repairs (total 280 hours):

1. Frames and springs, 65 hours.
2. Steering gears and front axles, 45 hours.
3. Rear axles and springs, 125 hours.
4. Lubrication, 20 hours.
5. Tire care and repair, 25 hours.

Section 3. Power system (total 400 hours):

1. Clutches, transmissions, universals, 65 hours.
2. Engine assembly and repair, 120 hours.
3. Lubrication, 20 hours.
4. Cooling system, 40 hours.
5. Fuel system, 150 hours.

Section 4. Starting and Lighting System (total 450 hours):

1. Elementary electricity, 200 hours.
2. Ignition (battery and magneto), 110 hours.
3. Batteries and battery care, 40 hours.
4. Starting motors and generators, 50 hours.
5. Wiring and lighting, 50 hours.

Section 5. Body care and repair (total 60 hours):

1. Washing and polishing the car.
2. Minor repairs to top and upholstering.
3. Repairing doors and removing body squeaks.
4. Removing old and installing new bodies.
5. Repairing fenders, hoods, aprons and radiator covers.
6. Repairing dents in the body.

Section 6. Auxiliary apparatus (total 60 hours):

1. Safety devices.
2. Horns.
3. Windshield wipers.
4. Rear view mirrors.
5. Stop lights.
6. Car heaters.

Section 7. Operating and trouble shooting (total 120 hours):

1. Chassis.
2. Power system.
3. Starting and lighting.
4. Body.
5. Auxiliary apparatus.

Section 8. Shop methods and management (100 hours).

NOTE: Maximum size of class, 25 students.

CARPENTRY

First Year:

A study of the tools used by the carpenter and their care. Exercises in making the various types of joints used by the carpenter. Cutting and placing sills, joists, studs, corner posts, girders, plates, bridging, braces, single and double headers for door and window openings, partitions, headers and trimmers for stairway and chimney openings.

Lectures. Woods, their growth and structure, grading rules, methods, and types of framing, the steel square, care and operation of wood working machinery.

Second Year:

Making and placing door and window frames. Interior finishing, such as jobs involving the cutting and placing of casings, bases, mouldings, etc. Covering of inside floors and walls; hardware. Exterior covering and finishing as shingling, finishing of eaves and gables, siding, sheathing, corner boards, wire for plaster or stucco finish.

Lectures. The finish of floors and interior wood work. Trade terms; various materials used on interior and exterior and finishing; contractors' methods.

STAIR BUILDING

Third Year:

Jobs involving the laying out, cutting and placing of straight run stringers, platform flights, dog leg flights, treads, risers, newels, skirting boards, rails, balusters, etc. Roof framing involving the cutting, placing and nailing of jack, common, valley and hip rafters. Chimney opening.

Lectures. Blueprint reading and estimating.

CABINET MAKING COURSE

First Year:

Care and use of tools. Making of joints used in cabinet maker's trade. Building talorets, tables, book cases and other pieces involving the use of the various joints. Practice in chair caning. Interpretation of simple cabinet maker's drawings.

Lectures. Furniture, Woods, their growth and structure. Grading rules, mill practice, costs.

Second Year:

Wood work continued. Fine and period furniture, veneering, simple carving, wood turning, furniture finishing, rubbing and polishing, mixing of stains, fillers, etc.

Lectures. Furniture construction, finishes, characteristics of period furniture.

FURNITURE UPHOLSTERING

First Year:

Furniture upholstering. Tools and accessories, springing up, pillow and cushion, the pad seat, the hard stitched edge, double stuffing, circular backed chairs, spring back pieces, simple and pleated buttoning, cording, banding, gimping, etc. Overstuffed furniture upholstering, trimming overstuffed pieces.

Lectures. Estimating, classes of fillers and fabrics, springs, the four principal textile weaves, advertising.

SHOEMAKING AND LEATHER WORK

First Year Trade:

The student first learns the construction of the various kinds of shoes; the method of fastening the parts together—welts uppers, inner-soles, outersoles, felts, stays and all forms and classes of heels. Thread and needles are next studied. The art of twinsting and waxing threads, attaching threads to bristles, uses of threads and needles are included in this study. The student is next taught the use of the knife; cutting and fixing soles, stays, heels and uppers; patching; capping; sewing rips; uses of hammer, rasp, buffers, sandpaper and nails; sizes of nails; use of ink, and burnishing and finishing. In addition the student is taught the care and operation of footpower machinery and its use in sewing rips and patching.

Second Year Trade:

All students having satisfactorily completed their first year course in shoemaking will begin their second year course with the study of leather, its qualities, kinds and treatment. The various kinds of shoes, cloth, rubber, composition, imitations of leather are studied. Emphasis is placed on the repair of the shoes. The various kinds of heels are

next studied—wooden heels, aluminum heels, military heels, Cuban heels, Baby Louis heels, French and rubber heels. The student is then taught the fitting of rubber and aluminum heels, and the recovery and fitting of leather heels. The various methods of soling are taken up next—hand sewed soles, machine sewed, tacked and channel nailed. Manipulation and care of power machines, eyelet machines, button machines; making of buttonholes; uses of cements; and the cutting of tongues and vamps and soles, completes the course.

MACHINE SHOP PRACTICE

Section 1. Plain turning between centers—cast iron, steel and soft metals. Grinding roughing tools. Facing ends—all metals. Chucking. Use of outside and inside calipers. Cutting off stock. Truing rough castings. The use of lathe dogs and special clamps.

Section 2. Setting up work with use of jigs. Tool making: machine taps, tempering and testing. Drilling holes in sheet metal where special clamps are involved. Boring deep holes on lathe with special tool. Working brass and copper on the lathe.

Section 3. Nomenclature of machines. Adjusting machines. Setting up new machines. Speeds and feeds for various grades of work and upon various grades of material. Making small parts for machines with use of drill press and lathe. Threading pipe with pipe threading machine.

Section 4. Job work (outside work). Operation of milling machine, key seating, end milling, etc. Gang milling. Horizontal milling. Vertical milling. Gear cutting. Function and use of standard machines.

TAILORING

The course in Tailoring covers three years of thorough training in repairing, cleaning, pressing, altering, making of suits and overcoats. The variety of making new garments and in repairing permits arranging and carrying out of a course of study which equips a student for such work as is met in commercial life.

The course of study follows:

First Year:

Care of shop and tools. Position on tailor's board. Practice in use of needle, thimble; in overcasting, felling, backstitching, making button holes and machine sewing. Study and classifying materials, practice in making flies, waistbands, straps, flaps for pockets, pockets from drafts, cutting and fitting linings, spacing buttons, application of measurements cutting linings, spacing buttons and finishing uniform trousers, civilian trousers and overalls.

Second Year:

Review. Studying different parts of the vest, making various pockets, collars, facing and working from drafts. Vest making. Vest drafting, studying the various parts of the coat. Cutting and making canvas collars and sleeves. Working from drafts, making facings, fore-parts, edges, joining seams, basting, linings, and finishing work.

Third Year:

Review of first and second year work. Coat and overcoat making. Studying changes that affect work in citizens' garment making. Work on ordinary citizens' garments continued. Studying grades of material, estimates, cost and quality of materials. Working from drafts. Study of harmony in colors, drapery in garments. Measuring, drafting and cutting the garments studied. Students are required to make a suit to show proficiency. Study of current trade events during the year.

BRICKLAYING

The course in Bricklaying and Plastering requires three years for completion for technical high school students. Trade school students may complete the course in two years.

Practical instruction in house building, chimney and flue construction, concrete work and kalsomining is given. Working drawings, materials, formulae, technical problems and estimates, are taken up during the regular periods. Lectures covering the above are given at intervals throughout the year.

All models are constructed from blueprints or working drawings.

TRADE SCHOOL COURSE

First Year:

Classification of materials, constructing piers, pillars, walls of different bonds and sizes, arches and corners of different sizes and designs. Laying brick sills for doors and windows, setting window and door frames, constructing flues, single chimneys, burial vaults, scaffolding, etc. Live practice. (Weekly lecture on related problems.)

Second Year:

Rapid review of first year. Staking out and laying off buildings, excavating, foundation leveling, manhole construction, hollow tile and face brick construction, mantle and veneer construction, chimney construction and line practice. (Weekly lectures on related work.)

BLACKSMITHING AND WHEELWRIGHTING

First Year:

The student is first made acquainted with the fundamental operations of the trade through a series of exercises in forging and welding.

Each student is required to provide himself with a rule and a notebook.

Second Year:

The student learns the care and use of wood working tools and the kind of joints used in wheelwrighting, also the different woods. Experience is given in operating a drill press, emery wheel and in brazing, tapping, threading bolts, riveting, and all kinds of general forge work, such as ironing wagons, buggies, repairing of farm implements, etc. In the latter part of the course the student has practice in forging, welding, hardening and tempering of springs and tool steel.

The several classes of iron and steel, their manufacture and the relation of carbon content and other impurities to the uses of iron and steel are studied, as well as such operations as heating, hardening, tempering and annealing of steel. Problems in calculating the weight of material of different shapes, amount of material needed for particular jobs, problems in strength of bolts, rivets, etc., and estimating costs are considered in the classes in trade mathematics.

Third Year:

Mixing various paints and painting wagons a specialty. Stress is laid on the business side of the trade throughout the course. The forging of small tools used in the shop, such as hammers, tongs, punches, chisels, fullers, swages, etc. Practice is given in putting on channels and rubber tires.

Before a student can begin the regular course in auto mechanics or machine shop practice he must spend at least three months in the blacksmith shop. The aim of the course is to teach the student to make regular and special tools for use in garage work, case hardening and tempering chisels, springs, etc.

If a student wishes to complete the regular blacksmithing and wheelwrighting course it will be necessary for him to spend two years, working four hours each day. Special courses can be provided for.

PLUMBING

First Year:

Plumbers' tools and their uses. Joining flux used in soldering, solder, fitting for drain, soil waste and vent pipes. Location of traps, location of air inlets, vents, traps, etc. Rain water conductors, method of determining size. Location of water closets, tanks and urinals. Ventilation of water closets, traps, test for drainage system, method of applying.

Second Year:

Sewers and sewage systems. Principles of house drainage, filtration, water supply, etc. Principles of hot water circulation. Pneumatic water supply, ventilating shafts, areas. Air, lack, causes, and prevention.

Third Year:

Methods of supplying country houses by hydrants, pumps, wind mills., etc. Bacterial action in septic tanks. Plumbing systems for hospitals and schools. Plumbing systems for mills and factories. Plumbing systems for office and store buildings. Plumbing systems for apartment and tenement houses. Correcting defective plumbing plans. Process for obtaining permits, license, etc.

LAUNDRY MANAGEMENT

In addition to its rapid and splendid growth in the past few years, the college has increased its constituency by establishing a modern and in every way up-to-date steam laundry. The plant is built for the purpose of meeting the needs of the students and faculty; but greater than this, however, is the opportunity that it offers to students to receive instruction, along the line of commercial laundering. The superintendent, a man of experience in this particular line of work, is in charge of the plant and we are now offering the following three-year course to all prospective students:

COURSE OF STUDY

First Year:

During the first year the student's work will consist of the following: Marking and assorting of soiled linen; classifying of various articles in the respect of type; learning how to operate and care for the American marking machine; helping in the work room; learning how to operate and care for the American motor-driven extractor; shaking out flat linen; feeding and folding of linen after ironing; learning how to operate and care for the American dry tumbler; operating the sock machine; keeping work and marking room clean and sanitary.

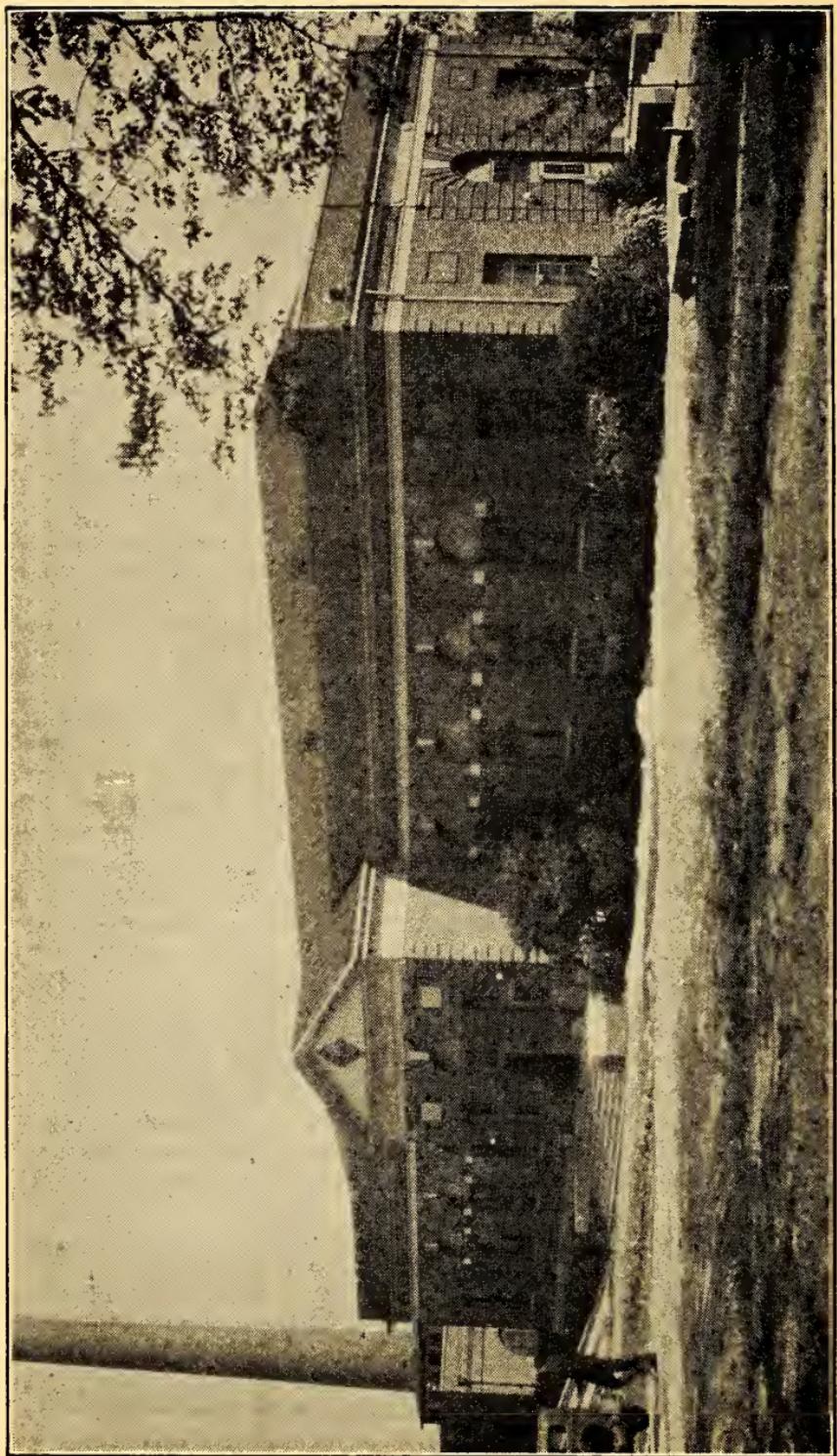
Second Year:

In the second year the student will concentrate his time and effort on the work room and its equipment. The operating of the American work machine will be carried on in the following manner: Use of hot and cold water; taking notice of time consumed in working different kinds of linen; how and when to change water in machine; when to add soap, bleach, and blue; how to cook and use starch correctly.

Third Year:

In the third year the student will be expected to complete the following: Operation of sheet units; finishing of shirts, collars, socks, etc.; folding and classifying of underwear; operating of the American Press machine; hand ironing of various descriptions; pressing of suits; operation of the United States Hoffman garment press; assorting and checking out of each individual package, wrapping, sealing, and delivering.

MURPHY HALL—MAIN DINING ROOM



DISTRIBUTION OF STUDENTS BY CLASSES

SENIOR CLASS, 1930-31

Allen, Wilbur C., Harbison College	Irmo, S. C.
Anderson, William Parker, 711 Cedar St.	Beaufort
Armstrong, J. Neil, 112 Church St.	Rogersville
Baskerville, Nathaniel Greene	Stepney Depot, Conn.
Bembry, Philip G., 104 Market St.	Hertford
Broadhurst, Hudie H.	Seven Springs
Coles, Jonas Henry, 833 Buttonwood St.	Philadelphia, Pa.
Corbett, Ellis Franklin, 125 N. Dudley St.	Greensboro
Crenshaw, George Erwin, Box 6	Method
DeBerry, Charles Ulysses, 411 N. Dudley St.	Greensboro
Dixon, Chester Allen, Route 1, Box 103	Rocky Mount
Draughan, Edward, Route 4, Box 50	Tarboro
Faison, Frank, Jr., Box 354	Clinton
Fitzgerald, Liddell Dodge, 408 S. Caldwell St.	Salisbury
Gidney, Jessie Mae, Route 3, Box 198	Shelby
Harris, Ruth Howell, 315 Winston St.	Greensboro
Jewell, Harold Percival, 419 Broadway	Cambridge, Mass.
Johnson, Minne Evelyn, 98 Smythe St.	Lynchburg, Va.
Jordan, George Raleigh, 307 Bell St.	Elizabeth City
Lewis, Rosa B.	Mattoax, Va.
Little, Nolan, 1119 33rd St.	Newport News, Va.
McCallum, George V., Route 2	Guilford College
McLaughlin, John C., Route 1, Box 61	Raeford
McPhail, William C., Box 1454	Greensboro
Miller, Cecil Calvin, Route 7, Box 87	Greensboro
Peace, Samuel Bristol, 526 Macon St.	Greensboro
Peddy, William A., 2004 Oris St.	Durham
Peterson, Elister Leon	Heathsville, Va.
Pickett, Clyde W., 508 Queen St.	Beaufort
Rowell, James Erwin, 508 N. Wilson St.	Florence, S. C.
Snipes, James T., 315 McDade St.	Chapel Hill
Spaulding, Leora J., 1009 Lindsay St.	Greensboro
Streater, James A., Box 484	Sanford
Swinson, Greene Thomas, Route 5, Box 112	Snow Hill
Thomas, Jasper R.	Method
Whitted, William Henry, 704 Holt St.	Goldsboro
Williams, Fred Allen, 503 Craven St.	Beaufort

JUNIOR CLASS, 1930-31

Brown, Oveta V., 192 Warren St.	Englewood, N. J.
Diffay, Hattie E., 1007 Lindsay St.	Greensboro
Dillard, Cecil R.	Tupelo, Miss.

Forney, Dorus E., 509 13th St.	Hickory
Foster, Nora Joyce, 258 E. Henry St.	Spartanburg, S. C.
Foust, Herman R., 111 Regan St.	Greensboro
Gillard, Charles B., 417 N. Caldwell St.	Charlotte
Harris, Edward Odell	Wadeville
Harris, James E., 420 W. Thomas St.	Rocky Mount
Hazel, Benjamin Glad, 507 Pollock St.	Beaufort
Hill, Carrie V., 141 Beech St.	Greensboro
Hull, Ruth, 23 Catholic Ave.	Asheville
Jenkins, Chester, Box 334	Ahoskie
Jenkins, James M., Route 1, Box 148	Cameron
Johnson, Walter T., Route 2, Box 19	Rocky Point
Jones, Edward Jordan, 317 Beech St.	Greensboro
Jones, James H.	Lenoir
Jones, Robert Lee, Route 6	Henderson
Jones, William H., 146 Colloden St.	Suffolk, Va.
Lewis, Curtis, Box 163	Jackson
Martin, Thomas W.	Spray
Mitchell, James J., Route 4, Box 41	Ahoskie
Moffitt, James L., 917 Lincoln St.	Greensboro
Moore, Jack, Box 558	Hickory
Pannell, John P., 1108 E. Market St.	Greensboro
Parker, Pearl B., 1108 Kivett Drive	High Point
Pollard, Floyd C., 108 N. Main St.	Laurinburg
Robinson, William Frank, 209 N. Dudley St.	Greensboro
Saunders, Clifton A., 711 Macon St.	Greensboro
Slade, William H., Route 2, Box 144	Robersonville
Sledge, Fred D.	Vaughan
Smith, Charles C., 1320 Florida Ave.	Portsmouth, Va.
Snipes, John A., 315 McDade St.	Chapel Hill
Taylor, Andrew W., 504 N. Dudley St.	Greensboro
Thornton, Bernice Hillman, Box 261	Warrenton
Tucker, Percy Walter, 47 Grigg St.	Cambridge, Mass.
Whitley, James Earl, Route 2, Box 52	Smithfield
Wicks, Wade Hampton	Halifax, Va.
Williamson, Troy L.	Ruffin
Wood, Frank T., 436 Cumberland St.	Norfolk, Va.
Woodard, Fred Orvil, 4510 Vincennes Ave.	Chicago, Ill.
Wooten, Marie B., 419 Dudley St.	Greensboro

SOPHOMORE CLASS, 1930-31

Allen, Mary C., Box 45	Cary
Arledge, Odessa, 501 Benbow Road	Greensboro
Barrier, Josephine, 159 N. Dudley St.	Greensboro

Brooks, Valerie M., 707 Roosevelt St.	Greensboro
Broome, Taft H.	Dallas
Browning, James Calvin	Burlington
Bryant, Charles L., 922 S. 7th St.	Wilmington
Buffaloe, Otis, Box 84	Gumbery
Burge, Green Lee, 1516 E. Market St.	Greensboro
Campbell, Edward, Jr., Box 308	Maxton
Capehart, William W., 312 Smithfield St.	Raleigh
Capott, Russell Joseph, Route 2, Box 115	Norfolk, Va.
Carmack, Jordan, 118 N. Depot St.	Rogersville, Tenn.
Carr, Margaret L., 185 Prince St.	Concord
Conyers, William H., 1319 S. 18th St.	Philadelphia, Pa.
Coston, George Thomas, 129 W. Peterson St.	Edenton
Cox, Booker T.	Winterville
Darden, Toussant, Box 54	Faison
Davis, Ralph H., Route 1, Box 85	Sylva
Dillard, Katrine, 713 S. Ashe St.	Greensboro
Eberhardt, William H., 1420 Hancock Ave.	Athens, Ga.
Frazier, W. F., 1308 S. Ashe St.	Greensboro
Grave, Annie B., 812 Hoover St.	High Point
Graves, Mernell, Box 343	Gibsonville
Grimes, Willie Thomas, 521 Pennsylvania Ave.	Rocky Mount
Hall, Sadie E., 806 Redcross St.	Wilmington
Hamilton, Joseph B., 604 Asheville St.	Morganton
Harris, E. M., 322 Rockspring St.	Athens, Ga.
Harris, Wrenton O., 1608 Fayetteville St.	Durham
Hines, Edward, 243 Pennsylvania Ave.	Rocky Mount
Holland, Theodies H., 1437 N. W. 6th St.	Miami, Fla.
Howard, Judson D., 601 Gaines St.	Dublin, Ga.
Ingram, Nash L., 104 N. Stewart St.	Rockingham
Jenkins, Bennie H., 312 Mapel St.	Ahoskie
Jenkins, Rosa V., 905 3rd St.	Durham
Keiser, Luther A., 414 Taylor St.	Oxford
Kelly, Mary Jane, 45 Catholic Ave.	Asheville
Kennedy, Joseph, 407 Formos Ave.	Durham
Knight, David J., 424 Raleigh Road	Rocky Mount
Lawrence, Chauncey, Box 18	Winfall
Leak, John K.	Wadesboro
Ledbetter, H. Freeman, 1010 Eugene St.	Greensboro
Lee, Floyd, 2317 Wood St.	Shelbyville, Ill.
McCoy, Almo, Box 7	Method
McMurray, George H., Route 3, Box 83	Greensboro
McRae, Julius J., 130 N. Dudley St.	Greensboro
Mills, John R.	Littleton

Monroe, Walter Henri, 104 Leake Ave.	Sanford
Moore, Lemuel B., 831 Crawford St.	Rock Hill, S. C.
Morris, Luther James, Box 186	Rich Square
Morris, Washington I., 45 Robinson St.	Reidsville
Preston, John H., 58 Gilmer St.	Roanoke, Va.
Raigns, John H.	Scotland Neck
Robinson, John V., 612 Lampton St.	Louisville, Ky.
Scott, Clyde S.	Clover, Va.
Shavers, Windsor S.	Leaksville
Stanback, Albert Leon, 155 Center St.	Chester, S. C.
Steele, Alice Mae, 409 Bank St.	Greensboro
Wade, Annie Belle, Route 1, Box 139	Greensboro
Walker, Vivian Lois, 802 S. Jefferson St.	Dublin, Ga.
Wallace, Harriett P., 222 Regan St.	Greensboro
Warren, William R., 58 Liberty St.	Long Branch, N. J.
Washington, T. Wilkins, 2901 8th Ave.	Huntington, W. Va.
Watson, Paul E.	Smithfield
White, Scofield, 118 S. 5th St.	Smithfield
White, Vincent D., 472 St. John St.	Spartanburg, S. C.
Williams, Clarence	Littleton
Williams, D. Arthur, 818 S. Ashe St.	Greensboro
Williamson, Curran Walter, 697 S. Elm St.	Statesville
Willis, George H., 913 Watkins St.	Winston-Salem
Wilson, Larry E., 364 N. Dean St.	Spartanburg, S. C.
Winfield, Charles P., 2 Bushnell Place	Mt. Vernon, N. Y.
Winslow, Alfonso C., 109 Market St.	Hertford
Wooten, Catherine E., 419 N. Dudley St.	Greensboro
Young, Calvin, Box 28	Irmo, S. C.

FRESHMAN CLASS, 1930-31

Allen, David T., 309 Beech St.	Greensboro
Armstrong, Theodore D.	Candor
Armwood, Walter A.	Greenwood, S. C.
Banks, Burnwell, 360 W. Bragg St.	Greensboro
Battle, Walter, Route e, Box 16	Nashville
Blalock, John, Route 1	Varnia
Baucum, John F., 213 N. Dudley St.	Greensboro
Bluford, Zena, 4822 Fairmont Ave.	Philadelphia, Pa.
Bowling, Grace P., 2804 Chestnut Ave.	Newport News, Va.
Bright, James F., 512 Beech St.	Magnolia
Brown, Columbus, Box 133	Varnia
Brown, James B., Route 2, Box 100	Clarkton
Brown, William R.	Barker
Bullock, Robert D., 501 Bennett St.	Greensboro

Burge, John L., 1615 E. Market St.	Greensboro
Burt, Douglass, Route 2, Box 115	Garner
Charlton, James Ed., 136 E. Carterett St.	Edenton
Clark, George R., 18 N. Ohio Ave.	Atlantic City, N. J.
Cotton, Henry Allen	Lumberton
Cunningham, Mabel Irene, 351 Holbrook St.	Danville, Va.
Davis, Almeta M., Route 1, Box 123	Norlina
Drew, Allen W., 103 Shepard St.	Elizabeth City
Dulin, Eva, 993 Armstrong St.	Greensboro
Dunn, William Lawrence	Spring Hope
Dupree, Ollen A., 604 Tyson St.	Greenville
Elliott, Elmond A., 58 Dobbs St.	Hertford
Elliott, Percy Lee, 58 Dobbs St.	Hertford
Evans, Otis, Box 57	Walstonburg
Feimster, James W., 709 13th St.	Hickory
Fleming, Willie Mae, 900 W. Polk St.	Charlotte
Foust, Loretta A., 424 N. Dudley St.	Greensboro
Frenchmuller, Annie L., 535 Macon St.	Greensboro
Galloway, Drewella, 1116 E. Market St.	Greensboro
Galloway, L. Hortense, 1116 E. Market St.	Greensboro
Green, James R., 113 South St.	Smithfield
Hawkins, Samuel, Box 706	Burlington
Haygood, Preston, 904 E. Boundary St.	Charlotte
Hazel, Mabel Irene	Burlington
Hazel, Margaret L.	Burlington
Henderson, William Howard, 1135 Ogden St.	Philadelphia, Pa.
Hicks, Jack S., Lincoln Hospital	Durham
Hinton, Robert Lee, Route 1, Box 182	Apex
Holt, Carrie A., 1011 Lindsay St.	Greensboro
Holt, Ernest	Wilson Mills
Houston, Edward S., Box 262	Live Oak, Fla.
Huntley, L. Bertina, 938 W. McCullough St.	Greensboro
Jenkins, Walter M., 1309 Campbell St.	Camden, S. C.
Johnson, Carrie	Asheboro
Joyner, J. Archibald, 65 Walnut	Farmville
Kee, James Allen, 511 Dickinson St.	Wilmington
Lassiter, Grady L.	Harrellsville
Lawson, James Henry	Reidsville
Lee, Philip, 2317 N. Wood St.	Shelbyville, Ill.
Lewis, Helen B., 103 Beech St.	Greensboro
Luck, Grant P., Box 15	Ramseur
McAdoo, Arthur F., Route 6	Greensboro
McAdoo, Garland, Route 6	Greensboro
McCray, Lois Eleanore, 423 Lindsay St.	Greensboro

McCrimmon, George E., 516 E. Martin St.	Raleigh
McGhee, Randolph A., 307 Lainer St.	Oxford
McKoy, Andrew James, 210 N. Regan St.	Greensboro
McIntire, Alfred A., 911 Queen St.	Wilmington
McLeod, William A., Route 2, Box 26	Laurinburg
McRae, Louis H., Route 1, Box 39	Jackson Springs
Mark, Earon C., Box 579	Hartsville, S. C.
Mason, Frank L., Box 64	North Emporia, Va.
Monroe, Eugene, 1010 19th St.	St. Petersburg, Fla.
Montgomery, Charles W., 903 W. Horah St.	Salisbury
Mooney, Jordan	Mapel Hill
Moore, Jack Philip, 169 Hill St.	Asheville
Morrow, Archibald H., 705 Hargrave St.	Winston-Salem
Nicholson, Anderson, 421 Bennett St.	Greensboro
Pack, James Edward, 117 Bridge St.	Hinton, W. Va.
Parker, William C., 1108 Kivett Drive	High Point
Parks, Irma, 834 Austin St.	Greensboro
Pearson, Phaivlever	Mt. Pleasant
Peay, William L., 201 Tournament St.	Concord
Pittman, Jethro J., 829 Austin St.	Greensboro
Price, Fredrick A., Princess Ann Academy	Princess Anne, Md.
Price, Hazel, 217 East St.	Greensboro
Price, Maud E., 470 Cole St.	Greensboro
Robinson, Clarise D., 209 N. Dudley St.	Greensboro
Sawyer, Clarence I.	Shoals
Smith, Emma L., 706 Baldwin Ave.	Charlotte
Spann, Roland W., Box 565	Hartsville
Stewart, John E., 1209 S. 6th St.	Wilmington
Tatum, Marian C., 409 N. Dudley St.	Greensboro
Taylor, Harold L., Route 2	Wendell
Telfair, Reginald, 615 Walnut St.	Wilmington
Vick, Dorsey J., 1401 Mt. Vernon Ave.	Portsmouth, Va.
Walker, Arnold G., Talladega College	Talladega, Ala.
Webber, Spurgeon W.	Kings Mountain
Webster, Olive J., Route 2, Box 71	Guilford College
Wells, James A., 638 Lindsay St.	Greensboro
White, Martha V., 1300 Pine St.	Chattanooga, Tenn.
Whitlock, Hazel L., 2305 Conn. St.	Gary, Ind.
Williams, Mamie Lee, 611 W. Darlington St.	Florence, S. C.
Wilson, William Ralph	Norfolk, Va.
Woods, Naurice F., 221 E. Gaston St.	Greensboro
Wray, John D., Jr., 150 N. Dudley St.	Greensboro
Wright, Hattie Graves, 422 N. Dudley St.	Greensboro

SPECIAL STUDENTS

COLLEGE DEPARTMENT, 1930-31

Anderson, James W., 613 Beatty Ford Road	Charlotte
Artis, Isaoc	Wilson
Barnes, William H., 1315 N. 15th St.	Philadelphia, Pa.
Blue, James H.	Troy
Faggett, Harry L., 711 Logan St.	Greensboro
Hall, Samuel, Route 1, Box 35	Wendell
Harris, Charlie S., 1220 E. Market St.	Greensboro
Harris, W. C., 315 Winston St.	Greensboro
Henry, I. N., 216 E. 7th St.	Winston-Salem
Holt, Willie Lee, 7185 Ashe St.	Greensboro
Jackson, Zelma I., 2003 Franklin Ave., S. E.	Minneapolis, Minn.
Manning, Douglass J.	Kittrell
Riddick, Walter H., 765 Washington Ave.	Norfolk, Va.
Taggert, Everett V., 1130 W. Horah St.	Salisbury
Saunders, M. S., 913 E. Hill St.	Charlotte
Watson, Jacob	Elrod
White, Charles G.	Powellsburg
Williams, G. T., Route 2, Box 46	Walstonburg

HIGH SCHOOL DEPARTMENT

Fagan, Horato B., 437 Gaston St.	Greensboro
Hairston, George, 836 Austin St.	Greensboro
Lindsey, Edward	Eagle Springs
Stewart, Harrison Parker, 427 Connally St.	Atlanta, Ga.

FOURTH YEAR HIGH SCHOOL, 1930-31

Barnes, Millard	Ahoskie
Burgess, James H., 356 Halsey St.	Brooklyn, N. Y.
Burgess, Vincent A., 356 Halsey St.	Brooklyn, N. Y.
Burnside, John L., 818 Whitted St.	Hendersonville
Dudley, Samuel L.	Clifton
Foust, William H., 1119 Landreth St.	Greensboro
Gaines, Curiel H., 901 Roosevelt St.	Badin
George, Ethel, 429 High St.	Greensboro
Holloman, Ralph C., Route 4, Box 146a	Ahoskie
Ivey, Joseph D., 413 Holbrook St.	Danville, Va.
Johnson, James F.	Dillon, S. C.
Jones, Nathan, Route 1, Box 76	Snow Hill
Kellam, Walter Lee	Pinnacle
Lee, Arthur L., 153 E. Market St.	Greensboro

Outlaw, James A.	Windsor
Pharr, Thomas L., 1017 Barnes St.	Norfolk, Va.
Shelton, George A., 45 Monroe St.	Roxbury, Mass.
Shelton, Vernon, 45 Monroe St.	Roxbury, Mass.
Speller, John T., Route 4	Windsor
Williams, Cornelius	Littleton
Withers, Robert B., 519 Bennett St.	Greensboro

THIRD YEAR HIGH SCHOOL, 1930-31

Canada, Weldon D., 938 Main St.	Waborn, Mass.
Cherry, Joseph V., Box 128	Robersonville
Cherry, William A., Box 128	Robersonville
Edwards, Romus A., Route 1, Box 55	Walstonburg
Hannon, William M., Route 2, Box 651	Tryon
Harper, Israel, 726 Henna St.	Rocky Mount
McKay, Theophilus S., 132 Raeford Road, Route 3	Fayetteville
McLaughlin, Edward M.	Raeford
McNeil, Jerry, 813 McDonough St.	Baltimore, Md.
Taylor, Forest A., 1722 Hunter St.	Norfolk, Va.
Thornton, McLeod D.	Warrenton
Wall, Melvin L., Box 801	Albemarle
Withers, John L., 519 Bennett St.	Greensboro
Young, John B., 1829 Monroe Ave.	Detroit, Mich.

SECOND YEAR HIGH SCHOOL, 1930-31

Bell, Walter G., 413 First St., S. E.	Washington, D. C.
Bryant, Nolia Evans, 1232 Gray St.	Greensboro
Corbett, Alexander, Jr.	Lake Waccamaw
Harris, James Daniel, 733 Avenue A	Norfolk, Va.
Hubbard, Escel E., 709 Moravian St., N. S.	Pittsburgh, Pa.
Powell, Oscar A.	Green Bay, Va.
Sebastian, John W., 1402 E. Washington St.	Greensboro
Sessoms, George W., 3714 S. 82nd St.	Philadelphia, Pa.
Short, Henry B., 309 Percy St.	Greensboro

FIRST YEAR HIGH SCHOOL, 1930-31

Baker, John H., 2417 Joint St.	Raleigh
Battle, Willie, 1532 Dungee St.	Norfolk, Va.
Bestche, John T., 313 Beech St.	Greensboro
Bowers, W. T., 120 Percy St.	Greensboro
Harper, J. Ben, Box 95	Ayden
Pompey, James, 1319 Ashe St.	Greensboro
Stokes, John Edward, 1015 Lindsay St.	Greensboro

SMITH-HUGHES TRADE SCHOOL, 1930-31

Anderson, Matthew, <i>Auto Mechanics</i>	Walstonburg
Bellamy, William R., <i>Tailoring</i> , Route 1, Box 33	Whiteville
Burnett, Earl L., <i>Carpentry</i>	Plannersville, S. C.
Carroll, Raymond M., <i>Auto Mechanics</i> , Box 1003	Hartford, Conn.
Coley, David, <i>Tailoring</i>	Pikerville
Cosby, John A., <i>Auto Mechanics</i> , 333 2nd Ave.	Hamlet
Drew, Edward M., <i>Masonry</i> , 311 Oak St.	Covington, Va.
Fuller, Claud P., <i>Tailoring</i> , 2008 Gorrell St.	Greensboro
Glover, Fletcher L., <i>Tailoring</i>	Siler City
Harris, George W., <i>Auto Mechanics</i> , 11 White St.	New Bern
Hawkins, Blanche, <i>Tailoring</i> , 2212 Chantaugua St.	Durham
Jackson, George, <i>Tailoring</i> , 997 Armstrong St.	Greensboro
Jackson, Hartwell S., <i>Shoe Repair.</i> , 518 Dargan St.	Darlington, S. C.
James, John H., <i>Auto Mechanics</i> , Route 1, Box 29	Morris, Okla.
Johnson, Thomas, <i>Auto Mechanics</i> , 2700 Oak Ave.	Newport News, Va.
Kemp, John, <i>Auto Mechanics</i>	Waynesville
Lock, T. C., <i>Auto Mechanics</i>	China Grove
Logan, Louis, <i>Masonry</i> , Route 3, Box 68	Rutherfordton
Maness, Emerson W., <i>Auto Mechanics</i> , 208 North St.	Asheboro
May, G. C., <i>Auto Mechanics</i> , 205 S. 12th St.	Wilmington
Rosser, Payton, <i>Shoe Repair.</i> , Route 2, Box 46	Littleton
Southerland, William D., <i>Auto Mechanics</i> , 514 Glenn St.	Durham
Taylor, Irvin O., <i>Auto Mechanics</i> , 808 Glenn St.	Durham
Wade, Richard F., <i>Auto Mechanics</i> , 327 W. Gay St.	West Chester, Pa.
Walker, Leacho, <i>Auto Mechanics</i> , Route 4	Hillsboro
Webster, David L., <i>Masonry</i> , 219 N. Dudley St.	Greensboro

STATE REHABILITATION STUDENTS, 1930-31

Graham, Isaac, <i>Auto Mechanics</i> , Box 64, Star Route	Fairmont
Lucas, Augester B., 313 W. 6th St.	Washington
Moore, Fred D., <i>Shoe Repair.</i> , Route 2, Box 28	Waynesville
Murphy, Leslie D., <i>Shoe Repair.</i> , Route 7, Box 117	Fayetteville
Paylor, Roosevelt, Route 1, Box 37	Mebane
Owens, Henry, 47 Eagelt St.	Asheville
Peed, Frederick W., <i>Shoe Repairing</i>	Bachelor
Sampson, Edward, <i>Shoe Repair.</i> , Route 7, Box 113A	Fayetteville
Tilley, Linzey, Route 1, Box 55	Lenoir

SUMMER SESSION, 1930

FIRST SESSION

Albright, John W., Rev.	Burlington
Aldred, Donnie, Miss	Ramseur
Allen, Mary C., Mrs., 121 Holderby St.	Reidsville
Allen, Pearl L., Miss	Leaksville
Allison, Geraldine, Miss, 217 N. Dudley St.	Greensboro
Alston, Bertha L., Miss	Wake Forest
Alston, Ella Mae King, Mrs., 417 N. Boyte St.	Monroe
Anderson, Ella E., Miss, 37 Furman Ave.	Asheville
Anderson, Martha C., Miss	Oxford
Andrews, Lillian H., Miss	Burgaw
Armstrong, Theodore D., Mr.	Candor
Artis, Clarence J., Mr.	Stantonbury
Artis, Isaac, Mr.	Troy
Arrington, Louise V., Miss, 430 Raleigh Road	Rocky Mount
Austin, Lillie M., Miss	Halifax
Bacon, Pearlie E., Miss	Knoxville, Tenn.
Barber, Sarah J., Mrs., 803 Ashe St.	Greensboro
Barnes, C. W. T., Mr., 708 E. 14th St.	Winston-Salem
Barnes, William H., 1315 N. 15th St.	Philadelphia, Pa.
Barnhill, Della, Mrs.	Troy
Barr, Cora Lee, Miss	Red Springs
Baucum, Rosa, Miss	Wadesboro
Bembry, Philip G., 104 Market St.	Hertford
Beverly, Peter, Mr.	North Emporia, Va.
Bigelow, Imogene, Miss, Route 2, Box 152	Greensboro
Blackstock, Fannie N., Mrs.	Reidsville
Blue, James H.	Troy
Boger, James E., P. O. Box 26	Concord
Bolden, Nina B., Miss, 1102 Gorrell St.	Greensboro
Boone, Louise E., 1018 Bilbro St.	Greensboro
Boone, Margaret V., 1018 Bilbro St.	Greensboro
Boone, R. Irvin, 220 E. Cabarrus St.	Raleigh
Boyd, Mabel, Miss, 205 N. 13th St.	Morehead City
Brevard, Bertie M., Miss	Stanley
Bright, Mary, Mrs., 432 South St.	Hampton, Va.
Briley, Maggie F., Mrs.	Tarboro
Broadhurst, Hudie H., Mr.	Seven Springs
Broadnax, Ruth, Miss, Route 1, Box 51	Leaksville
Brooks, Carrie M., Mrs., 910 E. Market St.	Greensboro
Brower, Grace J., Mrs., 455 Cole St.	Greensboro
Brown, Elnora, Miss, Route 1	Altamahaw

Brown, Essie M., Miss	Trinity
Buchanan, Eugenia, Miss	Hartsville, S. C.
Bullock, Eunice V., Miss	Townesville
Bullock, Mabel, Miss, 427 Bennett St.	Greensboro
Bullock, Violet, Mrs., 301 Regan St.	Greensboro
Burge, Green Lee, Mr., 1516 E. Market St.	Greensboro
Burnes, Arnetta A., Miss, 309 Taylor St.	High Point
Busbee, Estella, Miss, Route 4, Box 74	Snow Hill
Burt, Wilhelmina K., Miss, 1925 Rosewood Ave.	Richmond, Va.
Bynum, Laura G., Miss, 2229 Gervais St.	Columbia, S. C.
Byram, Sudie E., Mrs., 400 Beech St.	Greensboro
Caldwell, Dana, Mr., 3121 Gilpin St.	Denver, Col.
Cannady, Marie L., Miss, Route 3, Box 120	Oxford
Cannady, Mary D., Miss, Route 3, Box 120	Oxford
Capel, Kazee, Miss, Box 323	Maxton
Carrington, Wilphria, Miss, Route 1, Box 51	Leaksville
Carter, Mary A., Miss	Reidsville
Casino, Florence P., Mrs., 1107 Perkins St.	Greensboro
Chandler, Sadie D., Mrs.	Graham
Clark, Irma C., Miss, 300 S. 13th St.	Hickory
Clark, Edward, Mr., 1621 N. W. 1st Place	Miami, Fla.
Clemons, Johnsie, Miss	Morven
Clinkscale, Esther, Miss	Seneca, S. C.
Cobb, Minnetta B., Miss, 118 Regan St.	Greensboro
Coble, Nora, Miss, Route 2	Staley
Cole, Clara M., Miss	Pinehurst
Cooke, Mabelia, Miss	Roxboro
Cooper, George W., 7 Hyde Park St.	Hertford
Cotton, Eunice V., Mrs., 513 Boyd St.	Greensboro
Courts, Martha C., Route 5, Box 89	Reidsville
Couson, Rosa McGhee, Mrs., Route 3	Oxford
Cowan, T. W., Mr.	Statesville
Cranford, Clara B., Mrs., Box 39	Asheboro
Crowe, Mattie L., Mrs., 917 Wilmington St.	Greensboro
Cunningham, Mabel I., Miss, 351 Holbrook St.	Danville, Va.
Dae, Julia E., Miss, Box 358	Burlington
Dalton, Edith L., Miss, 225 E. Myrtle Ave.	Johnson City, Tenn.
Daniels, Lillian, Miss, 1417 Wallace St.	Knoxville, Tenn.
Dansby, Lexra, Mrs., General Delivery	Greensboro
Davenport, Bessie, Miss	Lenoir
Davis, Ethel V., Miss, 822 Fairview St.	High Point
Davis, Marie A., Mrs., 418 S. Craige St.	Salisbury
Davis, Mattie J., Miss	Reidsville
Day, Juanita, Miss, 633 E. Gaston St.	Greensboro

DeBerry, Charles U., Mr., 411 N. Dudley St.	Greensboro
Diffay, Fredrika, Miss, 720 N. 11th St.	Birmingham, Ala.
Dillard, Jeannette, Miss, 399 Harrison St.	Reidsville
Dillard, Katrine, Miss, 113 S. Ashe St.	Greensboro
Dillard, Susie A., Miss, 399 Harrison St.	Reidsville
Dixon, Mary Irene, Miss, 695 McDaniel St.	Atlanta, Ga.
Dodson, Mary E., Miss, 1267 Paxton St.	Danville, Va.
Duckett, Cecelia M., Miss, 205 Downs St.	Laurens, S. C.
Dunn, Daisy A., Miss, Route 2, Box 98	Wake Forest
Dunn, Nelson K., Mr.	Tarboro
Edwards, DeLois M., Miss, Box 48	Siler City
Edwards, Vivian C., Miss, Box 48	Siler City
Edwards, William A., Mr., 1021 E. 12th St.	Winston-Salem
Etheridge, William S., Mr.	Windsor
Eubanks, Chloe, Miss	Bynum
Everett, Eva R., Miss	Graham
Faison, Frank, Mr., Box 1354	Clinton
Falkener, Ralph C. S., Mr., N. Dudley St.	Greensboro
Falls, Louise J., Miss	Dallas, Tex.
Faucette, Eunice M., Miss	Burlington
Faucette, Herman H., Mr.	Burlington
Faucette, Johnsie, Miss	Burlington
Fitzgerald, Liddell D., Mr., 408 S. Caldwell St.	Salisbury
Fitzgerald, Sallie, Miss, Route 4	Greensboro
Fleming, Sethelle, Miss, 15 Druid St.	Greensboro
Fletcher, Fannie, Miss	Rockingham
Floyd, Fannie Lee, Miss, Box 120	Fairmount
Ford, Susie E., Miss	Enfield
Forest, Mellie A., Miss, Box 155	Norwood
Fort, Effie, Miss, Box 53	Method
Foster, Annie Law, Mrs., 509 Boyd St.	Greensboro
Foster, Jessie G., Miss	Martinsville, Va.
Foster, Lettie Liles, Mrs.	Liberty
Frances, Jeanne, Miss, 345 Broad St.	Harrisonburg, Va.
Frazier, D. L., Mrs., Box 120	Winston-Salem
Frenchmuller, Annie L., Mrs., 535 S. Macon St.	Greensboro
Fryar, Roxanna, Miss	Altamahaw
Fuller, Claud, 2008 Gorrell St.	Greensboro
Gaddy, Grace O., Miss, 207 S. Cleveland St.	Winston-Salem
Gaddy, Lillian L., Miss	Albemarle
Gaffney, Lottie P., Mrs.	Gaffney, S. C.
Galloway, Tedia Mae, Miss	Mt. Airy
Gaylord, Louise, Miss, 606 E. Washington St.	High Point
Gillard, Charles B., 417 N. Caldwell St.	Charlotte

Gill, Emma L., Miss	Gastonia
George, Addie, Miss	Whiteville
George, Ethel, Mrs., 429 High St.	Greensboro
Gilmer, Mary Lee, Miss	Liberty
Gilmer, Rosa B., Miss, 181 Center St.	Chester, S. C.
Gilreath, Grace V., Miss	Wilkesboro
Grant, Ernest E., Mr.	Asheboro
Grant, Gladys L., Miss	High Point
Graves, Bessie E., Miss, 1921 Palmyra St.	New Orleans, La.
Graves, Nellie, Miss	Reidsville
Graves, Roberta F., Miss, 509 Lindsay St.	Greensboro
Green, George W., Mr., 125 Virgil St.	Whiteville
Grimes, Annie M., Mrs., 201 N. Regan St.	Greensboro
Gunn, Havanna, Miss, Box 12	Reidsville
Gwyn, Ollie M., Miss	Jonesville
Hairston, Ludie, Mrs.	Martinsville, Va.
Haith, Madie O'Neal, Mrs., 803½ E. Market St.	Greensboro
Hall, Alice D., Mrs., 14 Circle St.	Reidsville
Hamme, Ollie, Miss, Route 1, Box 21	Oxford
Hardin, Beulah F., Miss, 1603 College St.	Knoxville, Tenn.
Hargrove, Mary E.	Manson
Hargrove, J. S., Route 1, Box 56	Faison
Harley, Octavia R., Mrs.	Blacksburg, S. C.
Harper, William Burt, Mr., 1109 Montgomery St.	Savannah, Ga.
Harris, Beatrice L., Miss, Box 545	Roxboro
Harris, Charlie W., Miss, 1220 E. Market St.	Greensboro
Harris, Daisy A., Miss, Box 6061	W. Asheville
Harris, Edward O., Mr.	Wadesville
Harris, James M., Rev., 81 Argyle Lane	W. Asheville
Harris, Johnston, Mr.	Littleton
Harris, Ruby R., Miss, 408 Bank St.	Greensboro
Harris, Ruth L. Hollell, Mrs., General Delivery	Greensboro
Harris, William C., Mr., General Delivery	Greensboro
Harrison, John W., Mr.	Cumnock
Hatcher, Sarah E., Miss	Goldsboro
Hauser, Ida Elmira, Miss, 202 S. West St.	Salisbury
Hawkins, Belle T., Mrs.	Burlington
Hawkins, Esther V., Mrs.	Asheboro
Hawkins, Washington	High Point
Hayes, Suella S., Mrs., 442 N. Dudley St.	Greensboro
Haygood, Ernestine, Miss, 902 Manley St.	Raleigh
Hester, Clarence E., Mr., State College Station	Raleigh
Hicks, Naomi E., Miss	Thomasville
Hines, Edward, 243 Queen Ave.	Rocky Mount

Hinton, Laura, Miss	-----	Chester, S. C.
Hocutt, William H., Mr.	-----	Plymouth
Holley, Willie Mae, 103 Garland St.	-----	Greensboro
Holloman, Esther, Mrs., 435 N. Dudley St.	-----	Greensboro
Holloway, Josephine, Miss	-----	Blanche
Holt, Dorothy A., Miss	-----	Graham
Horne, Mary, Mrs.	-----	Wadeville
Howard, Cormae, Miss, Route 1	-----	Staunton, Va.
Hunt, Elmer Henderson, 815 E. Boundary St.	-----	Charlotte
Huntley, Frederick, 938 W. McColloch St.	-----	Greensboro
Ingram, Nora B., Mrs.	-----	Mt. Gilead
Irving, Julia F., Miss	-----	Harrisonburg, Va.
Jackson, Lillie S., Miss	-----	Warrenton, Va.
Jackson, Lillian G., Miss, 417 Bank St.	-----	Greensboro
Jackson, Lola M., Mrs., Box 101	-----	Tryon
Jackson, Maggie P., Mrs., Route 4, Box 146	-----	Greensboro
James, Bettie, Mrs., 113 Gulf St.	-----	Laurinburg
James, Katherine E., Miss	-----	Reidsville
Jefferies, Daisy T., Mrs.	-----	Burlington
Jenkins, Bennie H., 312 Mapel St.	-----	Ahoskie
Johnson, Alverado B., Mrs.	-----	Greensboro
Johnson, June A., Miss	-----	Summerfield
Johnson, Maggie U., Miss	-----	Roxboro
Johnson, Maud P., Miss	-----	Mt. Holly
Johnson, William T., Mr.	-----	Rocky Point
Jones, Rosalia B., Mrs.	-----	Reidsville
Kelsey, Portia H., Miss, 820 W. Horah St.	-----	Salisbury
King, Viola, Miss	-----	St. Paul
Krone, Helen L., Miss	-----	Albemarle
Kye, Genevieve, Miss, 1623 Richland St.	-----	Columbia, S. C.
Lander, Mozelle C., Mrs., 106 Moon St.	-----	High Point
Lassiter, Lillie M., Miss	-----	Eagle Springs
Lassiter, Rosetta, Miss, 313 Taylor St.	-----	High Point
Leak, John K., Mr., Box 53	-----	Wadesboro
Leak, Sadie M., Miss, 138 Hall St.	-----	Reidsville
Leath, Wallace, Mr., 232 Percy St.	-----	Greensboro
Lewis, B. M., Mr.	-----	Bladenboro
Lilly, Margaret, Miss	-----	Asheboro
Lindsey, Millie A., Miss	-----	Reidsville
Long, J. H., Mr.	-----	Asheboro
Long, Minnie W., Mrs.	-----	Asheville
Lynn, Helena Mae, Miss	-----	Mt. Pleasant
McAdoo, Mary L., Mrs., Route 7, Box 66	-----	Greensboro
McBroom, Erma, Miss	-----	Burlington

McCallum, Beatrice, Miss, Route 3, Box 54	Maxton
McCallum, Cassie B., Miss, Box 302	Elkin
McCallum, Fannie M., Miss, Route 2	Guilford College
McCallum, Gladys, Miss	Oxford
McCollough, Catherine, Miss, 507 Gorrell St.	Greensboro
McConney, D. O'Brien, 9018 7th St.	Winston-Salem
McCoy, Wittonia, Miss, Box 252	Wadesboro
McKenzie, Hester, Box 947	Shelby
McKethan, Glenna M., 211 N. Dudley St.	Greensboro
McKnight, Frances K., Mary Allen Junior College	Crockett, Tex.
McMillan, Lena B., Mrs., 424 Boyd St.	Greensboro
McNeal, Matilda, Miss, 1529 Holly St.	Augusta, Ga.
McNeil, Ruth M., Miss, 721 E. 7th St.	Winston-Salem
McTier, Addie, Miss, 128 Booker St.	Greensboro
Marable, Mary Jones, Mrs., 824 Manley St.	Raleigh
Mariott, Lena F., Miss	Wendell
Massey, Katie B., Miss, Box 189	Salisbury
Massey, Noble L., Mr.	Monroe
Mayfield, Ruth, Miss	Franklin
Moffitt, James L., Mr., 907 Lindsay St.	Greensboro
Moffitt, Pearl, Miss	Franklinville
Morrison, Alpha V., Miss	Chatham, Va.
Morrissey, Minnie L., Mrs.	Lumberton
Mosely, John W., Mr., Route 2, Box 59	New Bern
Nance, Bessie C., Miss, 425 Stewart St.	Greensboro
Neal, Flora B.	Lenoir
Nelson, J. C., 35 McDowell St.	Asheville
Newberry, Julia E., Mrs.	Liberty
Newell, Lonice F., Mrs.	Clarkton
Nicholson, Anderson, 421 Bennett St.	Greensboro
Paige, Sudie, Miss, 507 McKinley St.	Greenville
Palmer, Limmer H., Miss	Reidsville
Parker, Pearl B., Miss, 1108 Kivett Drive	High Point
Paylor, Rachel A., Miss, 429 Bank St.	Greensboro
Peace, Deliah E., Miss	Oxford
Peace, Lillian M., Miss, 526 N. Macon St.	Greensboro
Pearsall, Willie M., Mrs., 512 Boyd St.	Greensboro
Pendergrass, Maud D., Miss	Summerton, S. C.
Peoples, Mary F., Miss	Reidsville
Perkins, Andrew W., Mr., Silver Hill	Concord
Perkins, Elizabeth, Mrs., Silver Hill	Concord
Perkins, Georgene E., Miss	Mooresville
Pettway, Effie D., Miss	Burlington
Phillips, Mary F., Miss	Burlington

Pickett, Clyde W., 508 Queen St.	Beaufort
Pittman, Joll Henry	Burlington
Pittman, Pearl H., Mrs.	Burlington
Pitts, Walter E., Box 181	Winston-Salem
Poole, Mabel H., Mrs., Box 372	Graham
Powell, Lucy, Miss	Patterson
Raigns, John H., Route 2, Box 21	Scotland Neck
Reid, Augusta Mae, Miss	Landis
Reid, Cornelia B., Mrs., 546 E. High St.	High Point
Reinhardt, William M.	Lincolnton
Richardson, Anna M., Miss	Irmo, S. C.
Robertson, Willianna, Miss, 105 Ridge St.	Reidsville
Robinson, Edna W., 503 Boyd St.	Greensboro
Rogers, Ethel Mae, Miss, Route 2, Box 185	Reidsville
Rogers, Mannie E.	
Rover, Martha, Miss	Martinsville, Va.
Rowell, James E., 508 E. Wilson St.	Florence
Royall, Nathaniel	Selma
Sapp, William E., Box 85	Guilford College
Scurlock, David P.	Pinehurst
Setzer, Mary J., Mrs., Route 7, Box 335	Greensboro
Sharpe, Lessie I., Mrs., Route 2, Box 14	Greensboro
Sherrod, Gladys, 304 Beech St.	Greensboro
Shoffner, Lea A., Miss, 110 Laurel St.	Greensboro
Sinclair, Nancy B., Mrs.	Wadesboro
Smith, Annie L., Miss, Route 2, Box 18	Liberty
Smith, Bessie M.	Goldston
Smith, Charlotte B., Miss, Route 2, Box 22	Liberty
Smith, Gladys, Miss, 304 Beech St.	Greensboro
Smith, Lina B. J., Mrs., 409 Boyd St.	Greensboro
Smith, Mayme O., Miss, 909 Gay St.	Danville, Va.
Smith, Paul, Livingstone College	Salisbury
Snipes, James T., 315 McDade St.	Chapel Hill
Spaulding, L. J., Mrs., 1009 Lindsay St.	Greensboro
Stanfield, Helen, Miss, Box 183	Roxboro
Steele, Carrie, Miss, 247 Cleveland St.	Danville, Va.
Streater, James A., Box 848	Sanford
Street, Lessie J., Miss, Route 2, Box 7	Greensboro
Stroud, Willie E., Miss, 818 Union St.	Tampa, Fla.
Stubbs, Edith, Miss	Hamlet
Sydnor, Sallie, Miss	Ruffin
Taylor, Edna B., Mrs.	Pinehurst
Taylor, Fannye E., Miss	Abbeville, S. C.
Taylor, Isabel, Miss	Stovall

Taylor, Martha C., Miss	Abbeville, S. C.
Taylor, Mildred R., Miss, 310 Heck St.	Raleigh
Thomas, J. R.	Method
Thompson, Eula L., Miss	Lumberton
Thompson, Lenora, Miss, 38 Clingman Ave.	Asheville
Thompson, Robenia W., Miss, Route 6	Sanford
Timmons, Mozella, Miss, 317 Grand St.	Greensboro
Tonkins, Mary M., Miss	Sedalia
Troy, Edith Hass, Miss	Council
Tucker, Annie B., Miss, Box 122	Tryon
Tucker, Maggie B., Mrs.	Oriental
Turner, Bertha, Miss	Efland
Turner, Georgia L., Miss	Cumnock
Vinson, Elizabeth, Mrs.	Wilson Mills
Wade, William, Jr.	Gibson
Walker, DeMint F., 389 Battle St.	Talladega, Ala.
Walker, Jennie H., Mrs.	Reidsville
Walker, Reunice A., Mrs.	Plymouth
Walker, W. W.	Plymouth
Wallace, Addie, Miss	Randleman
Wallace, Olive, Miss, 222 Regan St.	Greensboro
Ward, Annie B. Dave, Miss	Goldboro
Washington, Nannie G., Mrs., 404 Banks St.	Greensboro
Washington, Ruby E., Mrs., 908 Salem St.	Greensboro
Wharton, Rosalia, Miss, 1925 E. Market St.	Greensboro
White, Pearl Wooten, Mrs., Box 294	Wadesboro
Williams, Carrie, Mrs.	Marietta
Williams, Clarence	Littleton
Williams, Hattie B., Mrs.	Littleton
Williamson, Jasper J., 815 Hilltop St.	High Point
Williamson, Sara B., Miss, Box 31	Reidsville
Wilmer, Elsie J., 324 Bradley Road	Danville, Va.
Wilmer, Louise, Miss, 324 Bradley Road	Danville, Va.
Wilson, Ethel M., Miss	Hamlet
Wilson, J. R., Mr., 73 New Castle St.	Atlantic City, N. J.
Witherron, Clima L., Miss	Liberty
Woodard, Pauline, Miss, 811 E. Market St.	Smithfield
Wooten, Rosa Lee, Miss, Box 294	Goldboro
Young, Alsie B., Miss	Asheville
Young Bettie	Battleboro
Young, Jennie E., Miss	Irmo, S. C.

SUMMER SESSION, 1930

SECOND SESSION

Aldred, Donnie M., Miss	Ramseur
Allen, Pearl L., Miss	Leaksville
Alston, Ella Mae King, Mrs., 417 N. Boyte St.	Monroe
Anderson, Martha C., Miss	Oxford
Andrews, Lillian H., Miss	Burgaw
Arnold, Lydia A., Miss	Asheboro
Arrington, Louise V., Miss, 430 Raleigh Road	Rocky Mount
Bacon, Pearlie E., Miss	Knoxville, Tenn.
Bailey, Sallie L., Miss, 831 1st St.	Lackawanna, N. Y.
Barnes, C. W. T., Mr., 708 E. 4th St.	Winston-Salem
Barnes, William H., Mr., 1315 N. 15th St.	Philadelphia, Pa.
Barnhill, Della E., Mrs.	Troy
Baucum, Bessie D., Miss, 400 Myers St.	Charlotte
Bell, Edith M., Miss, 413 1st St., S. E.	Washington, D. C.
Blue, James H., Mr.	Troy
Boger, James E., Mr., Box 26	Concord
Bolden, Nina B., Miss, 1102 Gorrell St.	Greensboro
Brincefield, Geneva A., Miss, Box 164	Reidsville
Brooks, Carrie M., Mrs., 910 E. Market St.	Greensboro
Brown, Elnora, Miss, Route 1	Altamahaw
Brown, Essie Marie, Miss	Trinity
Bynum, Laura G., Miss, 2229 Gervais St.	Columbia, S. C.
Caldwell, Dana, Mr., 3121 Gilpin St.	Denver, Col.
Caldwell, Margaret, Miss	Morrisville
Caldwell, Sarah V., Miss, Box 470	Chapel Hill
Chambers, Lela B., Miss	Hickory
Chambers, Thelma A., Mrs., 536 Green St.	Statesville
Cheek, John N., Mr., Route 6, Box 98	Henderson
Claiborne, Carrie, Miss, South Main Extension	Danville, Va.
Clark, Irma C., Miss, 300 S. 13th St.	Hickory
Clark, Lanelle M., Mrs.	Scotland Neck
Cobb, Minnetta B., Miss, 118 Regan St.	Greensboro
Cooke, Mabelia, Miss	Roxboro
Cooper, George W., 7 Hyde Park St.	Hertford
Coppage, J. E., State Normal School	Fayetteville
Cotton, Eunice V., Mrs., 513 Boyd St.	Greensboro
Cowan, T. W.	Statesville
Dae, Julia E., Miss, Box 358	Burlington
Dalton, Edith, Miss, 225 E. Myrtle Ave.	Johnson City, Tenn.
Daniels, Lillian K., Miss, 1417 Wallace St.	Knoxville, Tenn.
Davis, Marie A., Mrs., 418 Craig St.	Salisbury

Day, Juanita M., Miss, 633 E. Gaston St.	Greensboro
DeBerry, Charles U., 411 N. Dudley St.	Greensboro
DeLaine, Mattye E., Miss, 720 N. 11th St.	Birmingham, Ala.
Dickerson, N. J.	Bluefield, W. Va.
Dixon, Chester, Route 1, Box 115	Rocky Point
Dixon, Mary Irene, Miss, 695 McDaniel St.	Atlanta, Ga.
Dodson, Mary E., Miss, 1267 Paxton St.	Danville, Va.
Eubanks, Chloe M., Miss	Bynum
Falls, Louise J., Miss, Straight College	Dallas, Tex.
Faucette, Eunice M., Miss	Burlington
Faucette, Johnsie, Miss	Burlington
Ford, Susie E., Miss	Enfield
Forest, Nellie A., Miss, Box 55	Norwood
Foster, Beulah G., Miss, 1502 E. Market St.	Greensboro
Foushee, Blanch M., Miss	Glendon
Francis, Jeanne A., Miss, 345 Broad St.	Harrisonburg, Va.
Frenchmuller, Annie Lee, Mrs., 535 S. Macon St.	Greensboro
Funderburg, Maggie E., Mrs., 707 E. 4th St.	Winston-Salem
Fox, Madge L., Miss	Liberty
Gaddy, Grace O., Miss, 207 S. Cleveland St.	Winston-Salem
Gaddy, Lillian, Miss	Albemarle
Gaffney, Lottie P., Mrs.	Gaffney, S. C.
Galloway, Mabel F., Miss	Madison
Galloway, Tedia Mae, Miss	Mt. Airy
Gary, Jennie F., Mrs., 138 Clingham Ave.	Asheville
George, Ethel, Mrs., 429 High St.	Greensboro
Gillard, Charles, 411 N. College St.	Charlotte
Gill, Emma L., Miss	Gastonia
Gilreath, Grace V., Miss	Wilkesboro
Grant, Ernest E.	Asheboro
Graves, Nellie F., Miss	Reidsville
Graves, Pauline K., Miss	Ramseur
Gray, Mozella C., Miss	Trinity
Greene, Willie P., Miss, 1260 W. Paxton St.	Danville, Va.
Gregg, Lula M., Miss, 504 Stewart St.	Greensboro
Grimes, Annie M., Mrs., 201 N. Regan St.	Greensboro
Gunn, Havanna, Miss, Box 12	Reidsville
Gunn, Mabel L., Miss, Box 144	Burlington
Gunter, Elon L., Route 2, Box 24A	Cameron
Gwyn, Ollie M., Miss	Jonesville
Hager, Emma J., Miss	Belmont
Haith, Madie O'Neal, Mrs., 303½ E. Market St.	Greensboro
Hall, Alice D., Mrs., 14 Circle St.	Reidsville
Hampton, Myrtis E., Miss, 81 Pearl St.	Waterbury, Conn.

Hardin, Beulah F., Miss, 1603 College St.	Knoxville, Tenn.
Harris, Anna B., Mrs.	Warren Plains
Harris, Carl A.	Warrenton
Harris, Charlie W., 1220 E. Market St.	Greensboro
Harris, Daisy A., Box 6061	W. Asheville
Harris, Edward O.	Wadesville
Harris, James M., Rev., 81 Argyle Lane	W. Asheville
Harris, Ruth L. Howell, Mrs., General Delivery	Greensboro
Harris, William C., General Delivery	Greensboro
Hawkins, Washington	Athens, Ga.
Hayes, Suella S., 442 N. Dudley St.	Greensboro
Haygood, Ernestine, Miss, 902 Manley St.	Raleigh
Henry, Carrie L., Mrs., 511 Bennett St.	Greensboro
Hines, Edward, 243 Queen Ave.	Rocky Mount
Hinnant, Rosa B., Mrs., 1013 Gorrell St.	Greensboro
Hinton, Esther, Miss	Clayton
Hill, N. Constance, Miss, A. and T. College	Greensboro
Hocutt, W. H.	Plymouth
Holley, Willie Mae, Miss, 103 Garland St.	Greensboro
Holloman, Esther, Mrs., 435 N. Dudley St.	Greensboro
Holloway, Josephine, Miss	Blanche
Holt, Dorothy A., Miss	Graham
Howard, Cormae, Route 1	Staunton, Va.
Hunt, Elmer H., 815 E. Boundary St.	Charlotte
Ingram, Nora B., Mrs.	Mt. Gilead
Jackson, Lillian G., Mrs., 417 Bank St.	Greensboro
Jackson, Lola M., Mrs., Box 101	Tryon
Jackson, Nezza M., Miss, Box 63	Carthage
James, Katherine E., Miss	Reidsville
Jeffries, Daisy T., Mrs.	Burlington
Jenkins, Bennie H., 312 Mapel St.	Ahoskie
Johnson, Nonie P., Mrs., 801 Chapel Hill St.	Durham
Johnson, Robert J., 817 E. 7th St.	Charlotte
Johnson, W. T.	Rocky Point
Jones, Madeline, Miss	Mebane
Joyner, Mabel C., Mrs.	Dudley
Kelsey, Portia H., Miss, 820 W. Horah St.	Salisbury
Kiser, Georgia L., Miss	Albemarle
Leak, John K., Box 53	Wadesboro
Leak, Sadie M., 138 Hall St.	Reidsville
Lynn, Helena Mae, Miss	Mt. Pleasant
Lytle, Clarence E., General Delivery	High Point
Lytle, Cora, Mrs., General Delivery	High Point
McBroom, Erma, Miss	Burlington

McCallum, Cassie B., Miss, Box 302	Elkin
McCallum, Fannie M., Miss, Route 2	Guilford College
McCoy, Josie Mae, Miss	Southport
McCoy, Wittonia, Miss, Box 252	Wadesboro
McKoy, Mary Murray, Mrs., 714 E. 8th St.	Charlotte
McMillian, Lena B., Mrs., 424 Boyd St.	Greensboro
McNeill, Ruth, Miss, 721 E. 7th St.	Winston-Salem
Manley, Mary McKoy, 419 Bennett St.	Greensboro
Marriott, Lena E., Miss	Wendell
Massey, Noble L.	Monroe
Moffitt, Isabell T., Miss, 907 Lincoln St.	Greensboro
Moffitt, James L., 907 Lindsay St.	Greensboro
Morgan, Mary L., Miss, 33 Bevens St.	Jersey City, N. J.
Murray, Venie O., Miss, Box 165	Mebane
Nance, Bessie M., Miss, 425 Stewart St.	Greensboro
Nicholson, Anderson, 421 Bennett St.	Greensboro
Palmer, Limmer H., Miss	Reidsville
Patton, Regina E., Mrs.	Tryon
Paylor, Rachel A., Miss, 429 Bank St.	Greensboro
Penn, Fannie C., Miss	Reidsville
Pickett, Maggie B., Miss	Winnboro
Pinkstone, Zetta J., Miss	Mooresville
Pitts, Walter E., Box 181, Salem Station	Winston-Salem
Price, Emma G., Mrs., Box 185	Reidsville
Raings, John H., Route 2, Box 21	Scotland Neck
Ramseur, Esther E., Miss, Glen Rock Post Office	Asheville
Reid, Cornelia B., Mrs., 546 E. High St.	High Point
Reinhardt, William	Lincolnton
Revis, Addie G., Miss	LaGrange
Richardson, Anna M., Miss	Irmo, S. C.
Robertson, Willianna, Miss, 105 Ridge St.	Reidsville
Robinson, Ava, Miss, 606 E. Washington St.	High Point
Robinson, Daisy, Miss	Pee Dee
Rowell, James E., 508 N. Wilson St.	Florence, S. C.
Sanford, Anna L., Miss, 135 Lincoln Drive	Raleigh
Sawyer, James F., 618 W. Horah St.	Salisbury
Scurlock, David P.	Pinehurst
Setzer, Mary B., Mrs., Route 7, Box 335	Greensboro
Shoffner, Lea A., Miss, 110 Laurell St.	Greensboro
Sinclair, Nancy B., Mrs.	Wadesboro
Slade, Dabrvila G., Mrs., 3702 Keenan St.	Philadelphia, Pa.
Smith, Annie L., Miss, Route 2, Box 17	Liberty
Smith, Charlotte B., Miss, 304 Beech St.	Greensboro
Smith, Mayme O., Miss, 909 Gay St.	Danville, Va.

Smith, Paul, Livingstone College	Salisbury
Smith, Robert A.	Hickory
Snipes, James T., 315 McDade St.	Chapel Hill
Spaulding, Leora J., Mrs., 1009 Lindsay St.	Greensboro
Stanfield, Mary H., Box 183	Roxboro
Stephens, Margaret E., Miss, Box 213	Durham
Streater, Enolia L., Mrs.	Macon
Stroud, Willie E., Miss, 818 Union St.	Tampa, Fla.
Taylor, Beatrice A., Miss	Stovall
Thomas, Spencer, Miss, Box 37	Burlington
Thompson, Eula L., Miss	Lumberton
Tonkins, Mary M., Miss	Sedalia
Tucker, Annie B., Miss, Box 122	Tryon
Turner, Georgia L., Miss	Cumnock
Tyson, Pecolia, Miss	Biscoe
Vincent, Richetta, Miss, 33 Robert St.	Danville, Va.
Wade, Mary E., Miss, 524 Harrison Ave.	Roanoke, Va.
Wade, William	Gibson
Walker, Reunice A., Mrs.	Plymouth
Walker, Thomasine A., Miss, 802 Jefferson St.	Dublin, Ga.
Walker, W. W.	Plymouth
Wallace, Addie, Miss	Randleman
Weaver, Maude W., Mrs., 211 W. Walnut Ave.	Gastonia
Webster, N. C., A. and T. College	Greensboro
White, Josie B., Miss, 821 E. 13th St.	Winston-Salem
White, Pearl W., Mrs., Box 294	Goldsboro
Whitted, Georgie Marie, Miss	Hillsboro
Williams, Alice M., Miss	Littleton
Williams, Clarence	Littleton
Williams, Edna Mae, Miss	Norlina
Williams, Mary A., Miss, 167 Congress St.	Charleston, S. C.
Williams, Ruth, Miss, 1509 Montgomery St.	Savannah, Ga.
Williamson, Jasper J., 815 Hilltop St.	High Point
Wilmer, Elsie J., Miss, 324 Bradley Road	Danville, Va.
Wilmer, Louise, Miss, 324 Bradley Road	Danville, Va.
Woodard, Pauline, Miss, 811 E. Market St.	Smithfield
Worth, Thomas R.	Haw River
Young, Alsie B., Miss	Irmo, S. C.

EXTENSION DEPARTMENT

BURLINGTON CENTER

Albright, John W.	Burlington
Boykin, J. E.	Burlington
Chandler, Sadie, Mrs.	Burlington
Couch, C. H.	Burlington
Day, Juanita M.	Burlington
Faucette, Herman H.	Burlington
Fitzgerald, Sallie B.	Burlington
Gunn, J. F.	Burlington
Hawkins, B. T.	Burlington
Hawkins, O. W.	Burlington
Holt, Lizzie L.	Burlington
Hargrove, Lucinda	Burlington
Ingram, Geneva	Burlington
Jeffries, Helena E.	Burlington
Jeffries, John W.	Burlington
Keck, Fostena E.	Burlington
Phillips, Mary F.	Burlington
Poole, Mabel H.	Burlington
Rogers, Annie P.	Burlington
Rogers, Mary H.	Burlington
Trolinger, L. E.	Burlington
Taylor, Ruth	Burlington
Wade, Victoria M.	Burlington

GREENSBORO CENTER NO. 1

Avery, Jamie B.	Greensboro
Belton, Julia A.	Greensboro
Burgin, Helen V. G.	Greensboro
Cooper, Mamie B.	Greensboro
Cotton, Eunice V.	Greensboro
Ellington, Rebecca R.	Greensboro
Ellis, Carrie D.	Greensboro
Enoch, Dorathea	Greensboro
Falkner, Ralph	Greensboro
Hill, Pattie M.	Greensboro
Jones, Nannie C.	Greensboro
McMillin, Lena B.	Greensboro
Paylor, Rachel A.	Greensboro
Reid, James E.	Greensboro
Street, Lessie Jane	Greensboro
Setzer, Mary B.	Greensboro
Sharpe, Lessie I.	Greensboro

Taylor, Mamie C.	Greensboro
Washington, G. H. E.	Greensboro
White, Kittie H.	Greensboro

GREENSBORO CENTER NO. 2

Boone, Louise Elsie	Greensboro
Bradford, E. P., Mrs.	Greensboro
Bullock, Mary D.	Greensboro
Bullock, Rena Morehead	Greensboro
Dansby, John B.	Greensboro
DeHuguley, Clyde	Greensboro
*Dean, Lucille M., Miss	Greensboro
Dennis, Fannie D.	Greensboro
Forney, Camelia T.	Greensboro
Foust, Annie J.	Greensboro
Foust, Lillie A.	Greensboro
Garrett, Montrose E.	Greensboro
Greene, Willie	Greensboro
Greer, Alma	Greensboro
Hall, D. W.	Greensboro
Hill, Cora E.	Greensboro
Holloman, Esther	Greensboro
Howard, May O.	Greensboro
Jeffries, Elizabeth A.	Greensboro
Johnson, Edythe W.	Greensboro
Laughlin, Duella M.	Greensboro
Lee, Della E.	Greensboro
Mebane, C. M.	Greensboro
Miller, Nina P.	Greensboro
Neal, Grace	Greensboro
Parks, Herbert	Greensboro
Payne, Sylvia E.	Greensboro
Pookrum, Fannie L.	Greensboro
Pope, Marietta V.	Greensboro
Reeves, Ellen Boyd	Greensboro
Spearman, Lessie B. D.	Greensboro
Stewart, Essie B. D.	Greensboro
Taylor, Annie H.	Greensboro
Taylor, Mamie	Greensboro

LEAKSVILLE CENTER

Bell, Bethel M.	Leaksville
Boyd, Beulah McCarkle	Leaksville
Griffin, Frankie	Leaksville
Miller, Wilba E.	Leaksville
Pichard, Adele	Leaksville

Pitts, Annie L.	Leaksville
Reese, Ophelia V.	Leaksville
Roberts, Eleanor	Leaksville
Smith, Allis	Leaksville
Wright, Lottie H.	Reidsville

LUMBERTON CENTER

Allen, J. E.	Lumberton
Anderson, Katie B.	Lumberton
Blount, Mattie	Lumberton
Blount, Nora B.	Lumberton
Branch, Theordrick T.	Lumberton
Davis, Pleasant	Lumberton
Floyd, Carra F.	Lumberton
Floyd, J. H.	Lumberton
Floyd, Pervelia	Lumberton
Garrett, Elvira	Lumberton
Love, Emma J.	Lumberton
McCallum, Rosa E.	Lumberton
McKay, Carrie V.	Lumberton
McKoy, Hattie	Lumberton
McKoy, S. E.	Lumberton
McLean, Kattie	Lumberton
McLean, Maggie	Lumberton
McNeill, Gertrude	Lumberton
McNeill, Inez	Lumberton
McNeill, Ruth	Lumberton
McQueen, A. J.	Lumberton
Morrisy, Minnie L.	Lumberton
Simpson, John L.	Lumberton
Spearmon, Charletta	Lumberton
Spearmon, Isadora	Lumberton
Stephens, Katie	Lumberton
Thompson, A. G.	Lumberton
Thompson, Bertha	Lumberton
Thompson, Eula	Lumberton
Toon, Georgianna B.	Lumberton
Whitted, Hattie L.	Lumberton
Williams, Carrie	Lumberton
Wright, Malloy	Lumberton

MAXTON CENTER

Bell, Addie L.	Maxton
Brewington, Maggie L.	Maxton
Campbell, Wesley	Maxton

Caple, Kazee	Maxton
Carpenter, Annette G.	Maxton
Dean, Robert B.	Maxton
Douglass, Mary	Maxton
Holman, Roxana	Maxton
Johnson, Cora Neville	Maxton
Lilly, Wessie J.	Maxton
Mainor, Nesby G.	Maxton
Malloy, Mary D.	Maxton
McCall, Celeste	Maxton
McNeill, Mary M.	Maxton
Ruch, J. C.	Maxton
Scriven, R. C.	Maxton
Wray, John D.	Maxton
Zeigler, Patsy C.	Maxton

MEBANE CENTER

Baldwin, Fannie M.	Mebane
Barnes, Mary	Mebane
Brooks, Carrie M.	Mebane
Christman, Mary M.	Mebane
Donnell, Minnie H.	Mebane
Faribault, Eugenia	Mebane
Freeland, Newman A.	Mebane
Green, R. L.	Mebane
Holt, Eliza	Mebane
Jackson, Alice	Mebane
Jeffries, Mamie E.	Mebane
Jones, Gay	Mebane
Jones, Madaline	Mebane
Latta, Carrie M.	Mebane
Miller, Ava L.	Mebane
Morrow, Dora A.	Mebane
Murray, Alice J.	Mebane
Pittman, Pearl H.	Mebane
Turner, Bertha A.	Mebane
Warner, Fannie C.	Mebane
Whitted, Georgie M.	Mebane

ROXBORO CENTER

Bowman, Beeman	Roxboro
Brooks, Leonidas W.	Roxboro
Burton, Pearl	Roxboro
Cates, Hester	Roxboro
Clayton, Annie	Roxboro

Clayton, Julia	Roxboro
Clayton, Lessie	Roxboro
Cooke, Mabelia	Roxboro
Harris, Beatrice	Roxboro
Hester, Elsie	Roxboro
Johnson, M. U.	Roxboro
Morrison, Alpha	Roxboro
O'Daniel, Alice	Roxboro
Owens, Addie	Roxboro
Stanfield, Helen	Roxboro
Talley, Earl C.	Roxboro
Compton, Lewis W.	Roxboro

SHELBY CENTER

Bridges, Era A.	Shelby
Cooke, Mae Troy	Shelby
Corry, John	Shelby
Foster, Maud G.	Shelby
Feeemster, Amanda M.	Shelby
Galbraith, Lydia S.	Shelby
Gidney, Evie	Shelby
Gidney, Grady	Shelby
Gidney, Herbert	Shelby
Gidney, Mattie	Shelby
Hardin, Emma	Shelby
Hill, Donnah	Shelby
Johnson, Arvela	Shelby
Massey, Johnsie B.	Shelby
Means, Carrie A.	Shelby
Mills, Martha B.	Shelby
Nicholson, Odessa	Shelby
Potter, Robert M.	Shelby
Quinn, Clara G.	Shelby
Rogers, Louise	Shelby
Rudasil, Glendora	Shelby
Squire, Maudest K.	Shelby
Steele, Carrie	Shelby
Thomas, Violet	Shelby
Wilson, Susie A.	Shelby

SOUTHERN PINES CENTER

Baebee, Willie J.	Southern Pines
Clark, Cleopatra	Southern Pines
Flowers, Elmira Dowdy	Southern Pines
Gaston, Annie L.	Southern Pines

Hill, Mary K.	Southern Pines
Lashley, Georgia M.	Southern Pines
Little, Hula Mae	Southern Pines
McCormick, Mayme Ethel	Southern Pines
McCrimmon, Arletha L.	Southern Pines
McLaurin, Kate Williams	Southern Pines
McRae, J. F.	Southern Pines
McRae, Mary L.	Southern Pines
Murphy, George C.	Southern Pines
Payne, Adele Worth	Southern Pines
Perry, Alice P.	Southern Pines
Pinckney, Inez Frazer	Southern Pines
Saunders, Jas. Thomas	Southern Pines
Saunders, Othelia J.	Southern Pines
Simpson, J. F. K.	Southern Pines
Taylor, Edna B.	Southern Pines
Taylor, Margaret C.	Southern Pines

YANCEYVILLE CENTER

Brown, Essie Marie	Yanceyville
Carter, Carrie	Yanceyville
Carter, Mary	Yanceyville
Claiborne, Carrie	Yanceyville
Coats, Eva	Yanceyville
Currie, Lois L.	Yanceyville
Dillard, Nicholas L.	Yanceyville
Fryar, Roxanna	Yanceyville
Hill, Almeda I.	Yanceyville
Hill, Queen E.	Yanceyville
Holloway, Josephine	Yanceyville
James, Katerine	Yanceyville
McNair, Katherine	Yanceyville
Moorman, Mary T.	Yanceyville
Motley, Gladys	Yanceyville
Horroway, W. Flenory	Yanceyville
Palmer, Virginia A.	Yanceyville
Slade, Beatrice E.	Yanceyville
Williams, Matilda W.	Yanceyville

ENROLLMENT BY STATES

REGULAR SESSION, 1930-31

Alabama	2	Minnesota	-----	1
Connecticut	2	New Jersey	-----	3
District of Columbia	1	New York	-----	3
Florida	3	North Carolina	-----	277
Georgia	5	Oklahoma	-----	1
Indiana	1	Pennsylvania	-----	8
Illinois	3	South Carolina	-----	17
Kentucky	1	Tennessee	-----	3
Maryland	1	Virginia	-----	24
Massachusetts	5	West Virginia	-----	2
Michigan	1			

ENROLLMENT BY FOREIGN COUNTRIES

Africa	-----	1
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DISTRIBUTION BY COUNTIES

Alamance	4	Harnett	-----	1
Anson	1	Haywood	-----	1
Bertie	4	Henderson	-----	1
Buncombe	4	Hertford	-----	7
Cabarrus	4	Hoke	-----	2
Carteret	4	Iredell	-----	1
Caswell	2	Jackson	-----	2
Catawba	3	Johnston	-----	5
Chatham	1	Jones	-----	1
Chowan	2	Lee	-----	2
Cleveland	2	Martin	-----	3
Columbus	3	Mecklenburg	-----	4
Cumberland	3	Montgomery	-----	4
Craven	2	Moore	-----	2
Duplin	1	New Hanover	-----	7
Durham	6	Nash	-----	4
Edgecombe	4	Northampton	-----	3
Forsythe	3	Orange	-----	3
Franklin	1	Pasquotank	-----	2
Gaston	1	Pender	-----	3
Granville	2	Perquimans	-----	5
Green	5	Person	-----	1
Guilford	91	Pitt	-----	4
Halifax	5	Polk	-----	1

Randolph	3	Stokes	1
Richmond	2	Surry	1
Robeson	4	Vance	1
Rockingham	4	Wake	13
Rowan	5	Warren	3
Rutherford	1	Washington	1
Sampson	2	Wayne	4
Scotland	2	Wilson	1
Stanley	3		

DISTRIBUTION OF STUDENTS BY CLASSES, 1930-31

College Department:

Seniors	37
Juniors	42
Sophomores	76
Freshmen	101
Special Students	18
	—
Total	274

High School Department:

Fourth Year	21
Third Year	15
Second Year	9
First Year	7
Special Students	4
	—
Total	56

Smith-Hughes Trade School	26
State Rehabilitation Students	9
	—

Total Enrollment of Regular Students	365
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Regular Session, 1930-31	365
Extension Classes, 1930-31	245
Summer Quarter, 1930	568

Total	1178
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Total Excluding Duplicates	1055
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APPLICATION BLANK
for admission to
THE AGRICULTURAL AND TECHNICAL COLLEGE
GREENSBORO, N. C.

1. Full name
(Last Name) (First Name) (Middle Name)
2. Complete address
(P. O. Box, or Street and Number, or R. F. D. and Box Number)
3.
(Name of Post Office, or Name of City and State)
4. Who is responsible for the payment of your bills?
5. What is his (or her) relation to you?
6. What is his address?
(Street and Number, or R. F. D. and Box; City and State)
7. Give name of the schools in which you received your former training:

Name of School (Example) Broad St. High	Address (Example) Apex, N. Y. R. F. D. 1, Box 9	Years Attended (Example) 1920-21, '21-22	Principal (Example) Jno. Doe, Prin.

8. What is the highest class or grade you reached in school?
9. What is the date of your birth?
10. The A. & T. College has the following Schools:
 Trade School (leads to a certificate).
 COLLEGE (Four-year courses):
 School of Agriculture (leads to Degree in Agriculture).
 School of Mechanic Arts (leads to degrees in Engineering, Architecture, etc.)
 School of Science (leads to degrees in Sciences and Education).
 Check the school, or schools, above which you wish to enter (check thus X).

(If Trade School grade, state what trade you wish to pursue.....)

11. If admitted to the A. & T. College, do you promise to abide by its rules and regulations?
12. To what church do you (or parent) belong?

The applicant has been admitted upon transcript of previous training and temporarily assigned to..... class (has been notified to appear on..... for examination).

Date..... *Registrar.*

DIRECTIONS FOR ENTRANCE

The Applicant will make the following payments:

MONTHLY PAYMENTS

September 14th	\$49.50
October 9th	22.50
November 6th	22.50
December 2nd	22.50
January 4th (Laboratory Fees Due)	26.50
February 1st	22.50
March 1st	22.50
April 1st (Laboratory Fees Due)	26.50
May 2nd	22.50

See list of Term Payments on page 31.

YEARLY PAYMENTS

Incidental Fee	\$ 2.50
Registration Fee	3.00
Lecture Fee	2.50
Library Fee	3.00
Dining Hall Fee	1.00
Medical Fee	3.00
Athletic Fee	7.00
College Register Fee	1.00

These fees are payable strictly in advance.

No student can remain on the campus longer than twenty-four hours without registering.

No student will be admitted to any department of the college until he has paid his first month's expenses.

Each student should bring two quilts or blankets, one counterpane, four sheets, two pillow cases, six towels, etc.

Parents are requested to send all money to the President rather than to the student.

F. D. BLUFORD, *President.*



